

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

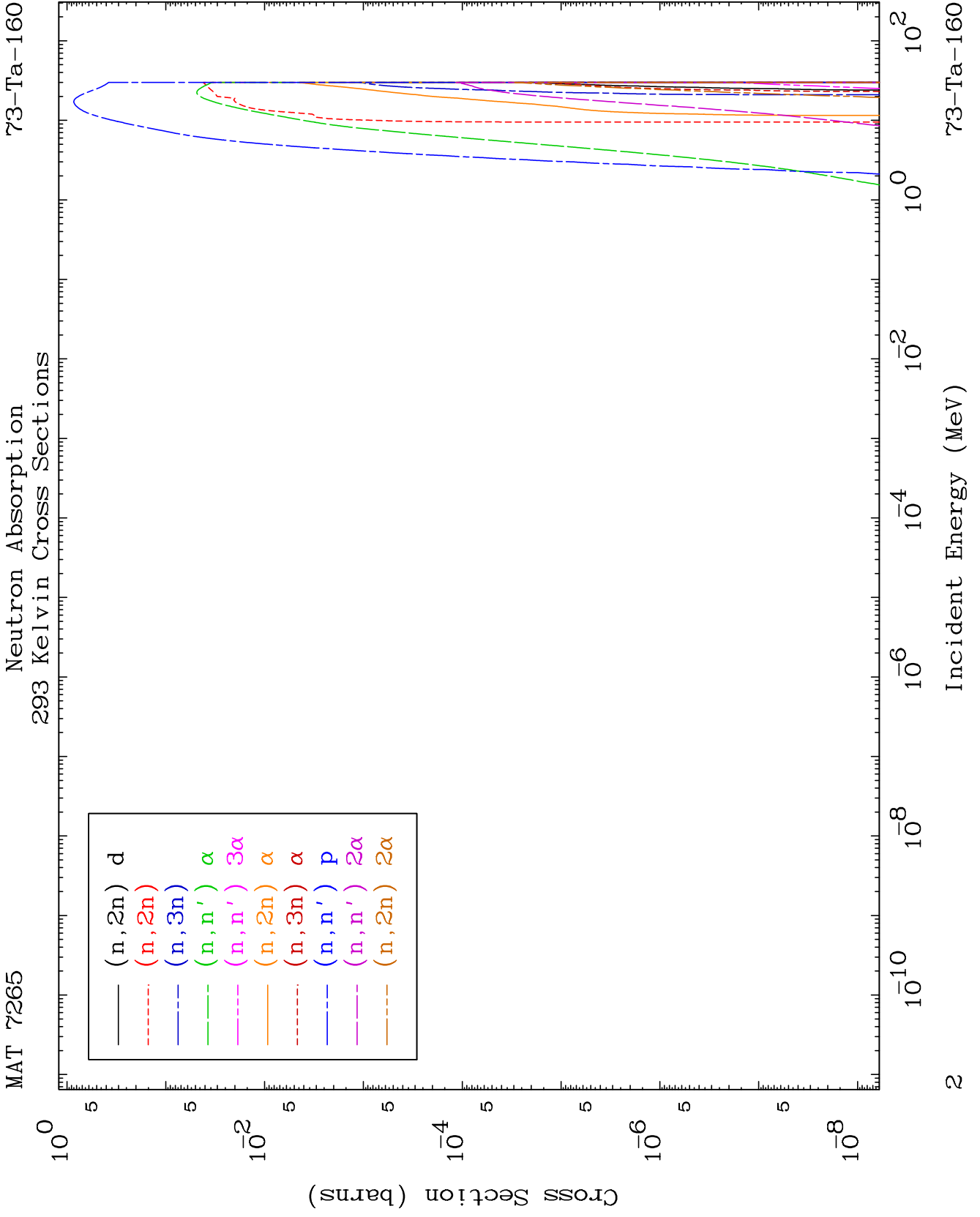
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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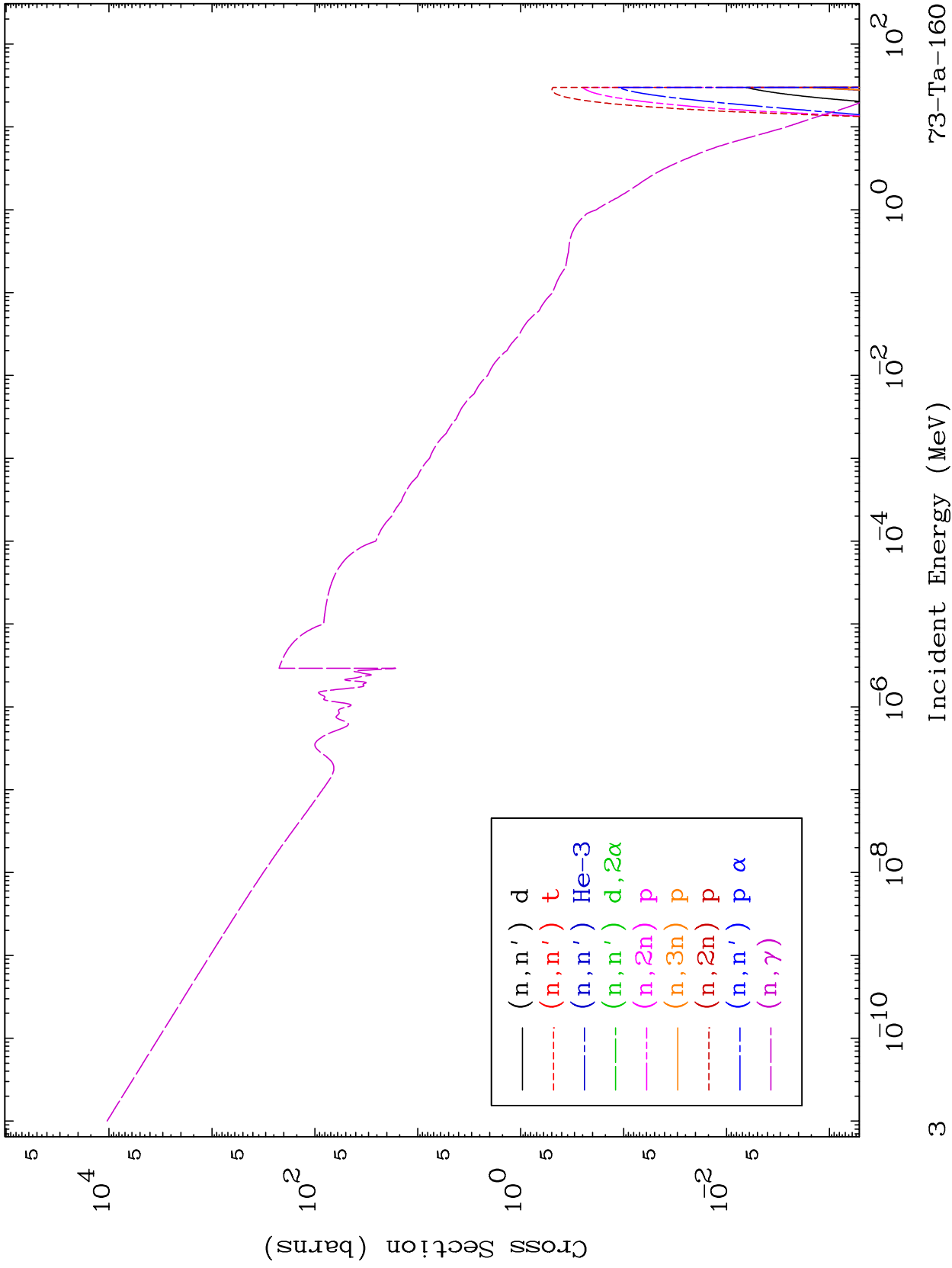
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

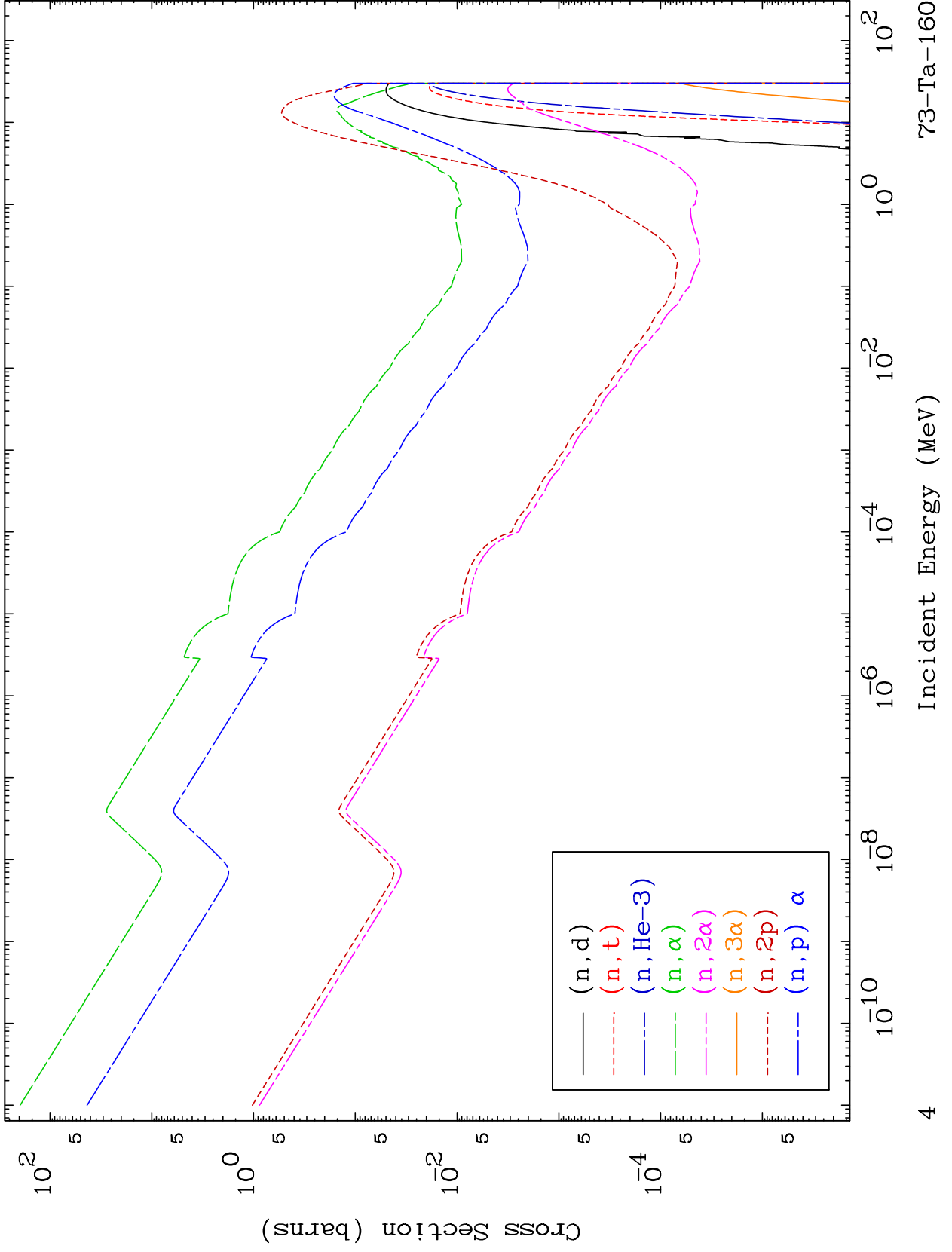




MAT 7265

Neutron Absorption
293 Kelvin Cross Sections

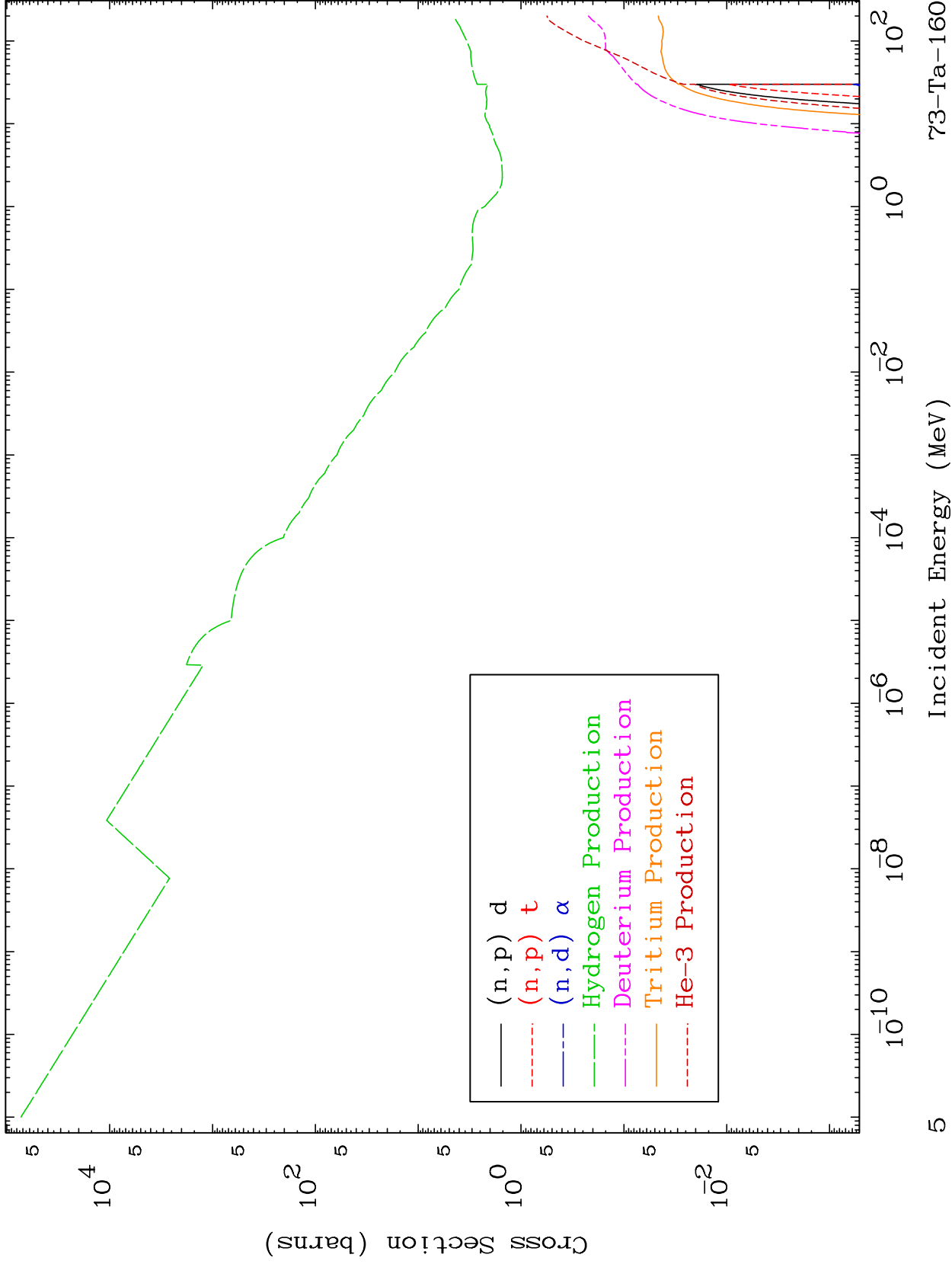
73-Ta-160

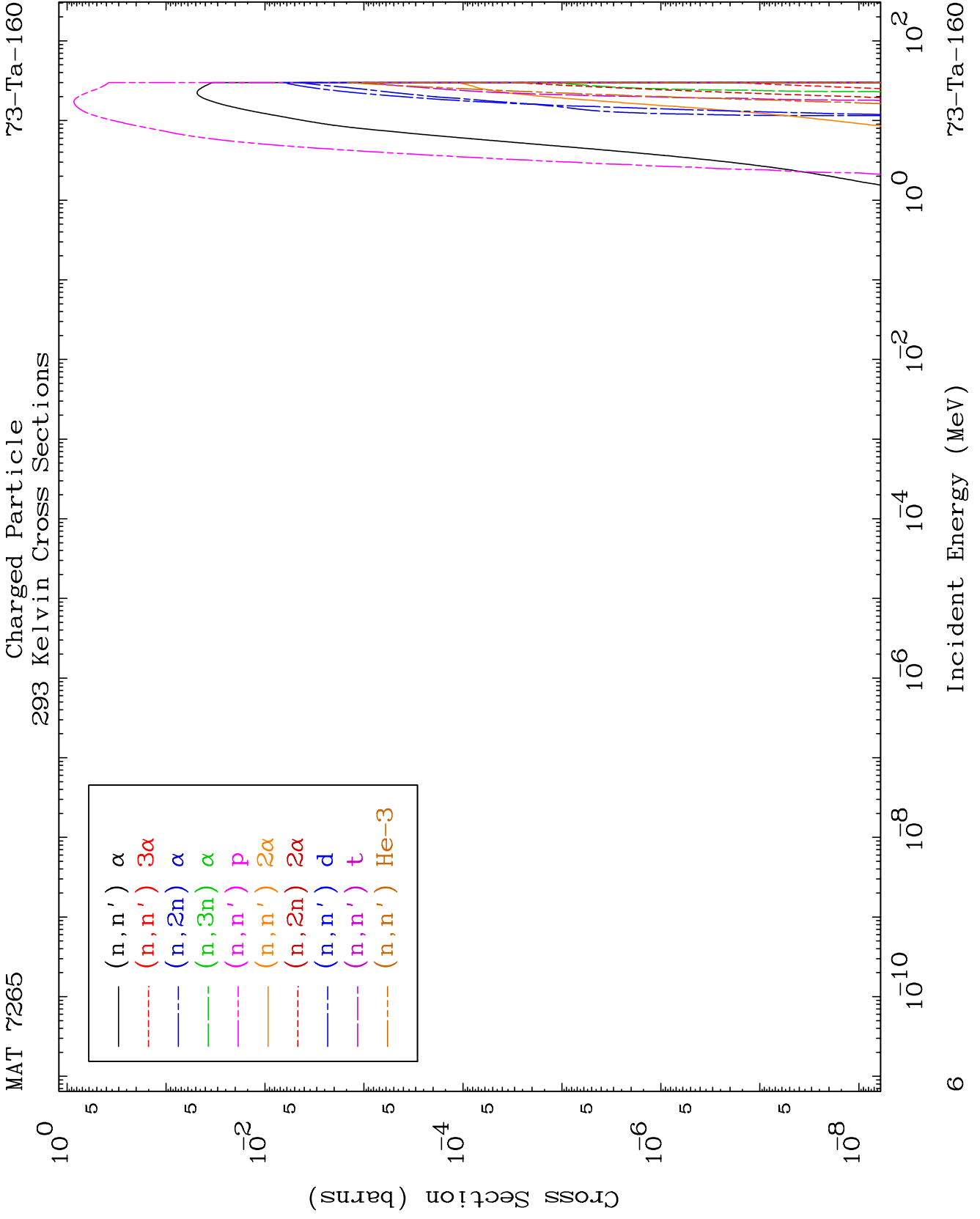


MAT 7265

Neutron Absorption
293 Kelvin Cross Sections

73-Ta-160

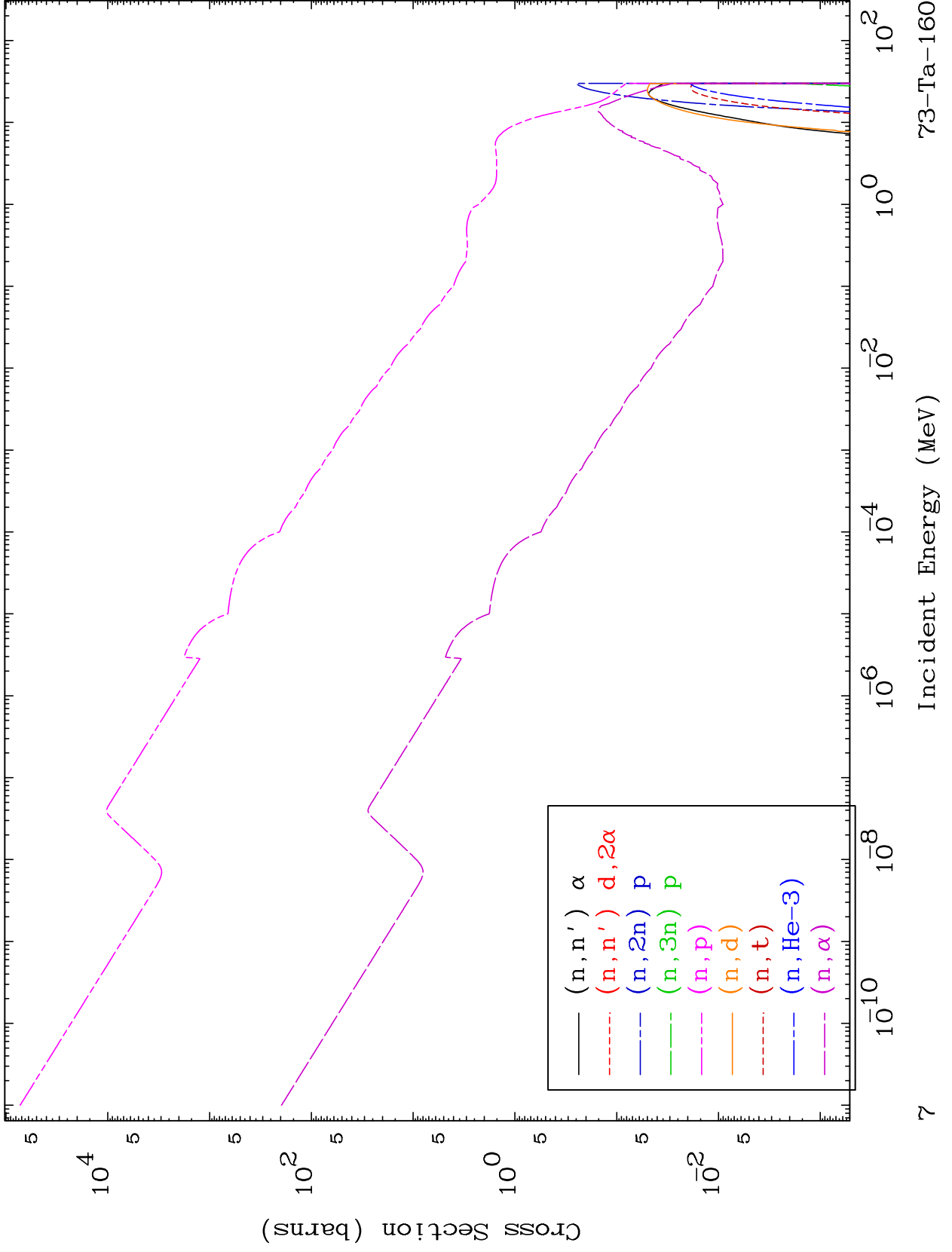




MAT 7265

Charged Particle
293 Kelvin Cross Sections

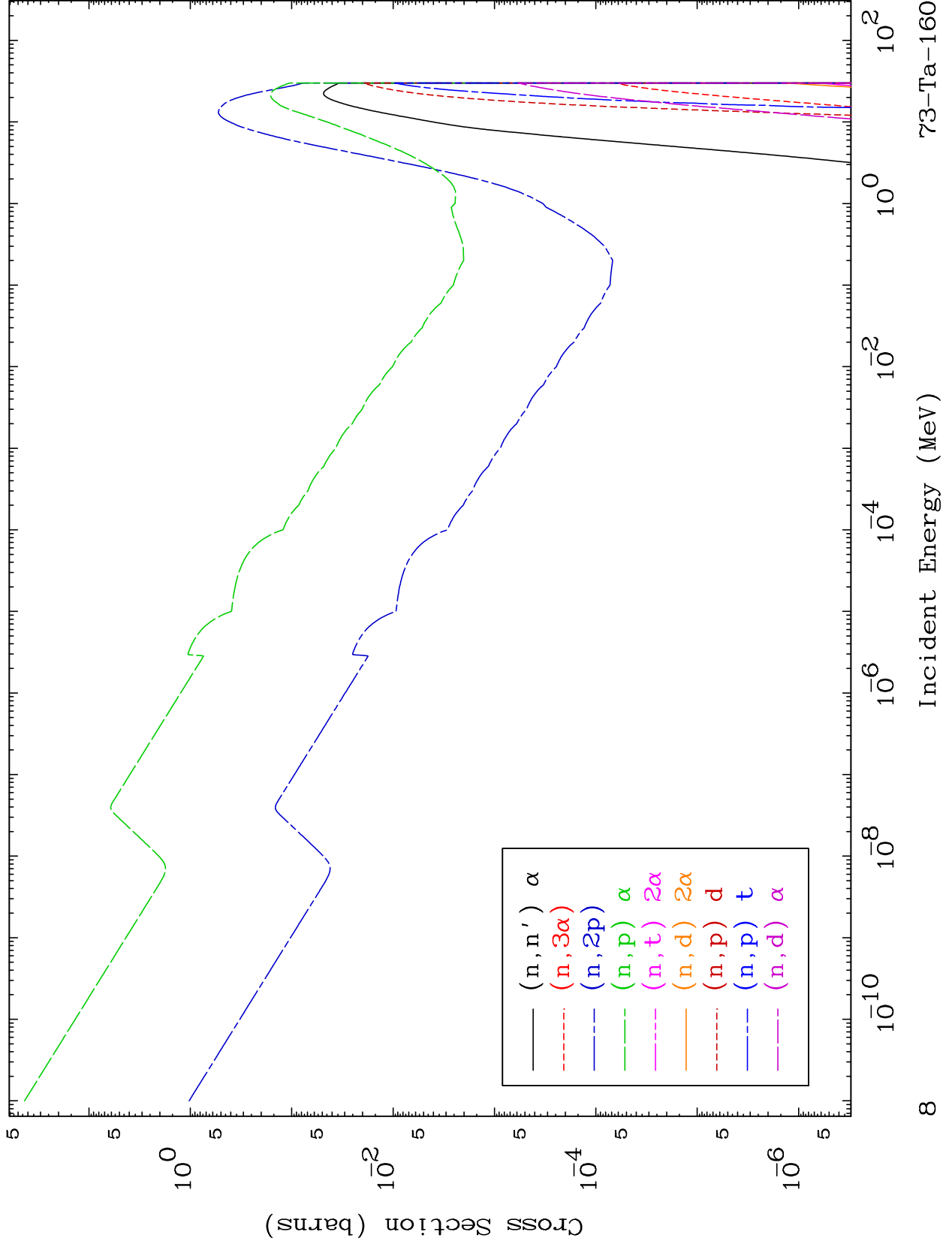
73-Ta-160



MAT 7265

Charged Particle
293 Kelvin Cross Sections

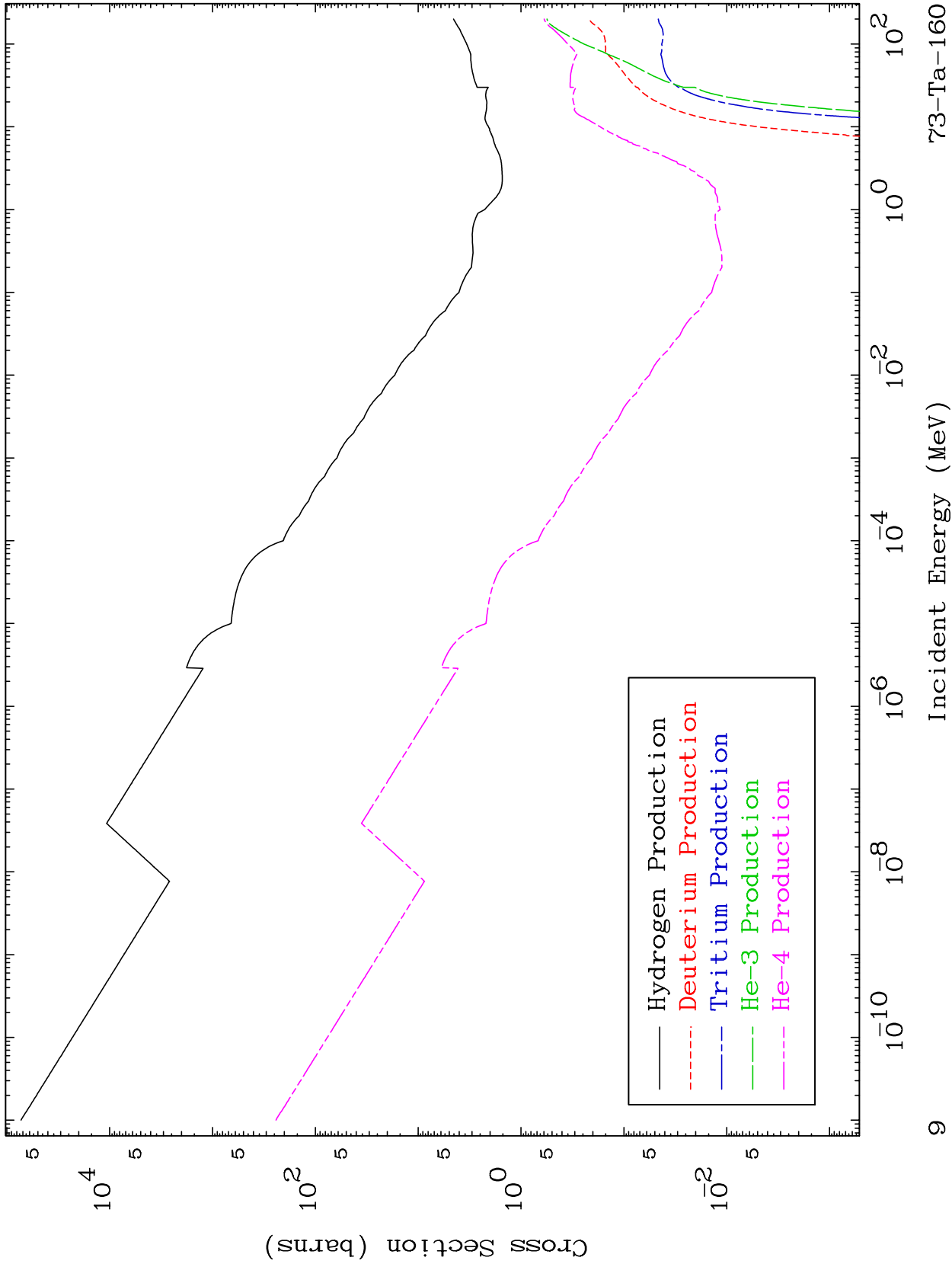
73-Ta-160



MAT 7265

Particle Production
293 Kelvin Cross Sections

73-Ta-160

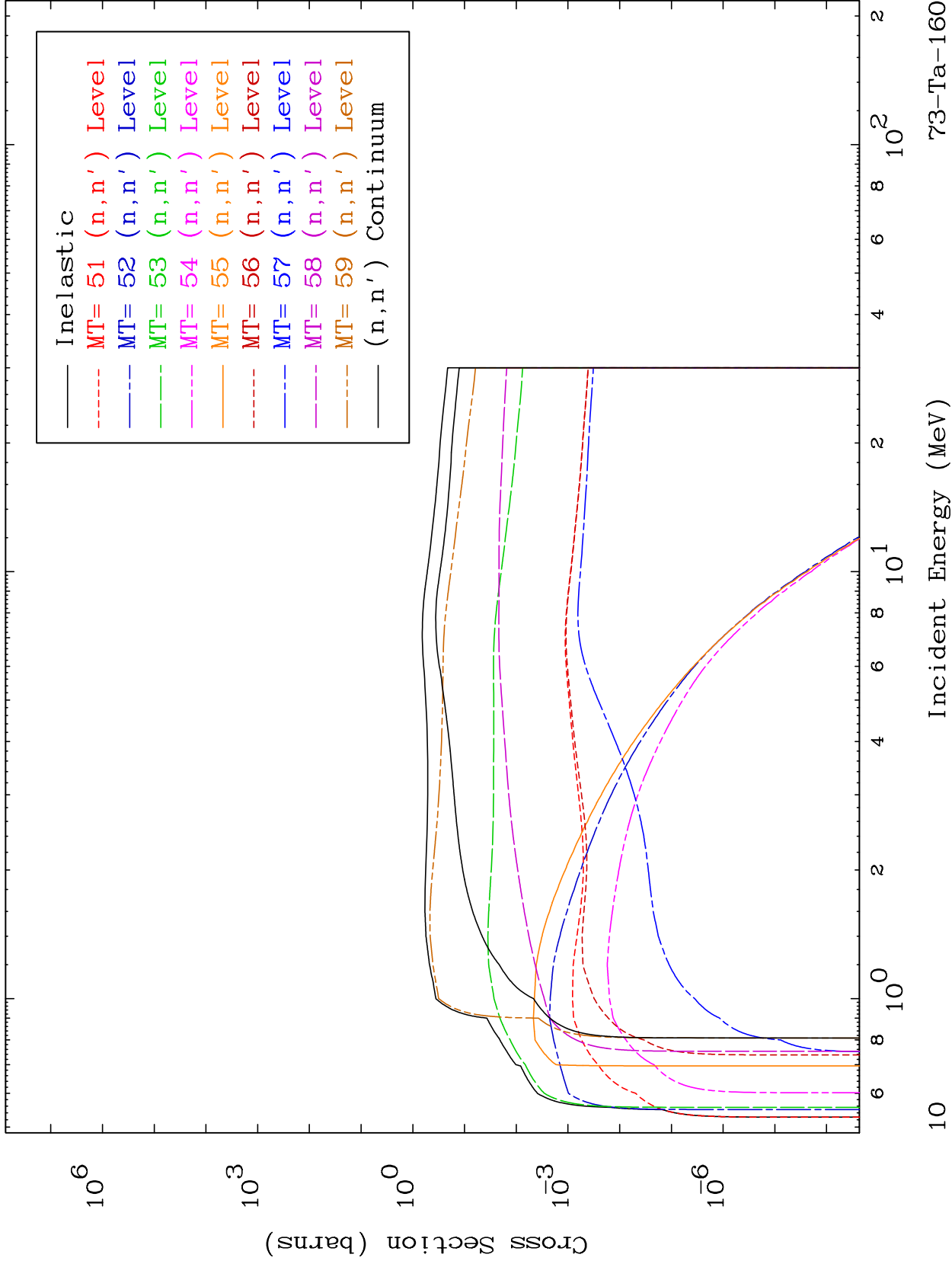


MAT 7265

(n,n') Levels

73-Ta-160

293 Kelvin Cross Sections



10

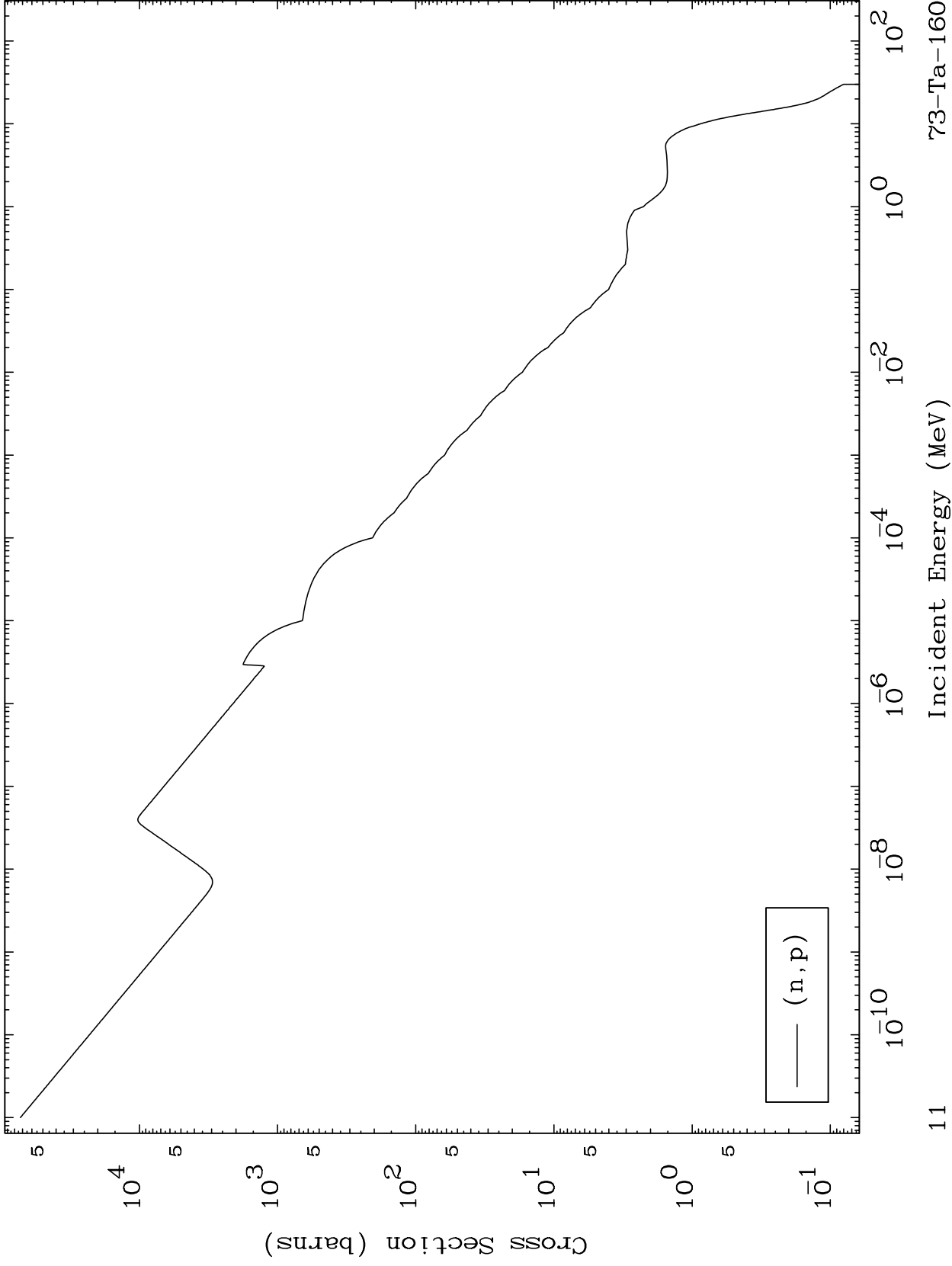
Incident Energy (MeV)

73-Ta-160

MAT 7265

(n,p) Levels
293 Kelvin Cross Sections

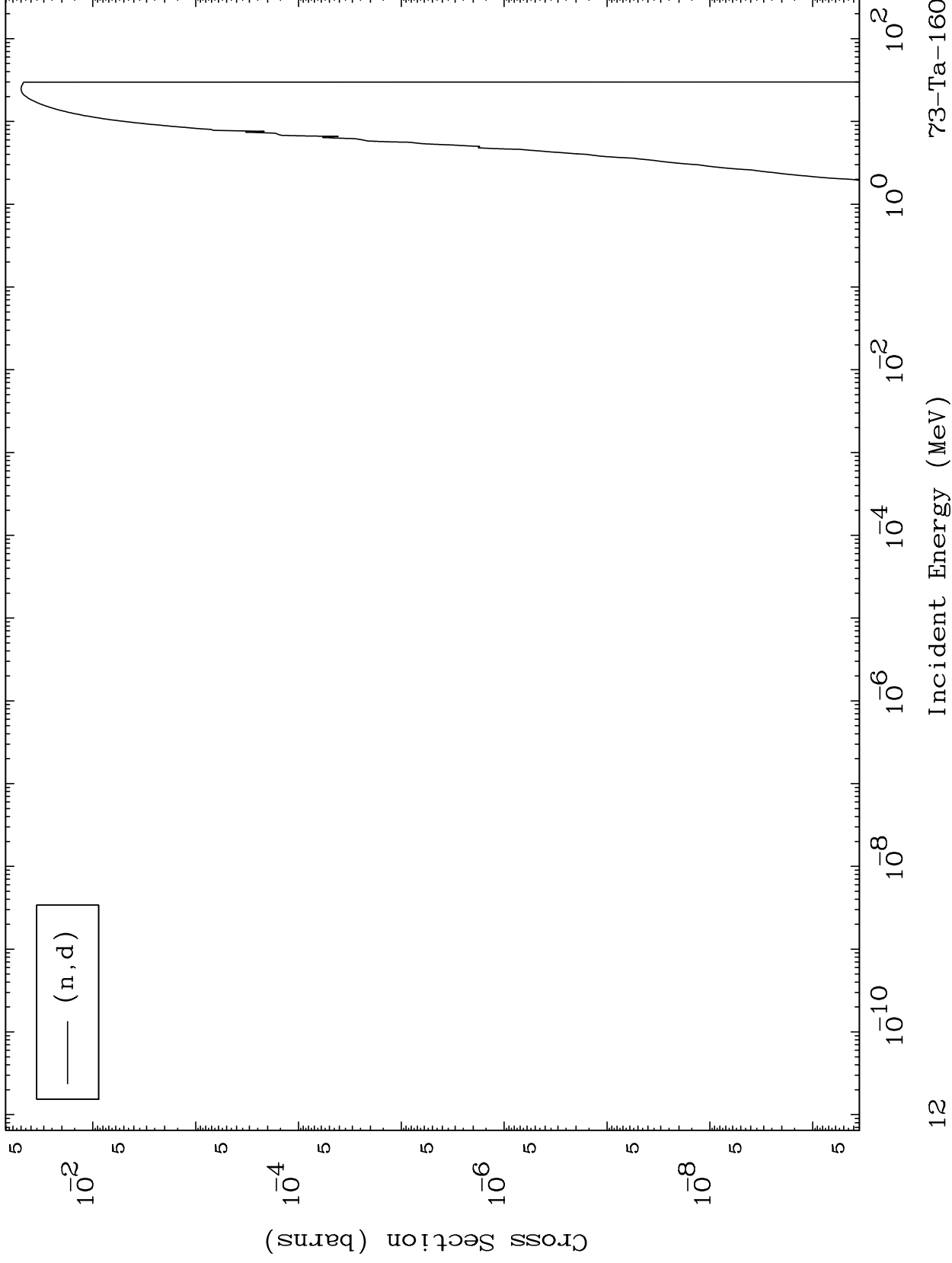
73-Ta-160



MAT 7265

(n,d) Levels
293 Kelvin Cross Sections

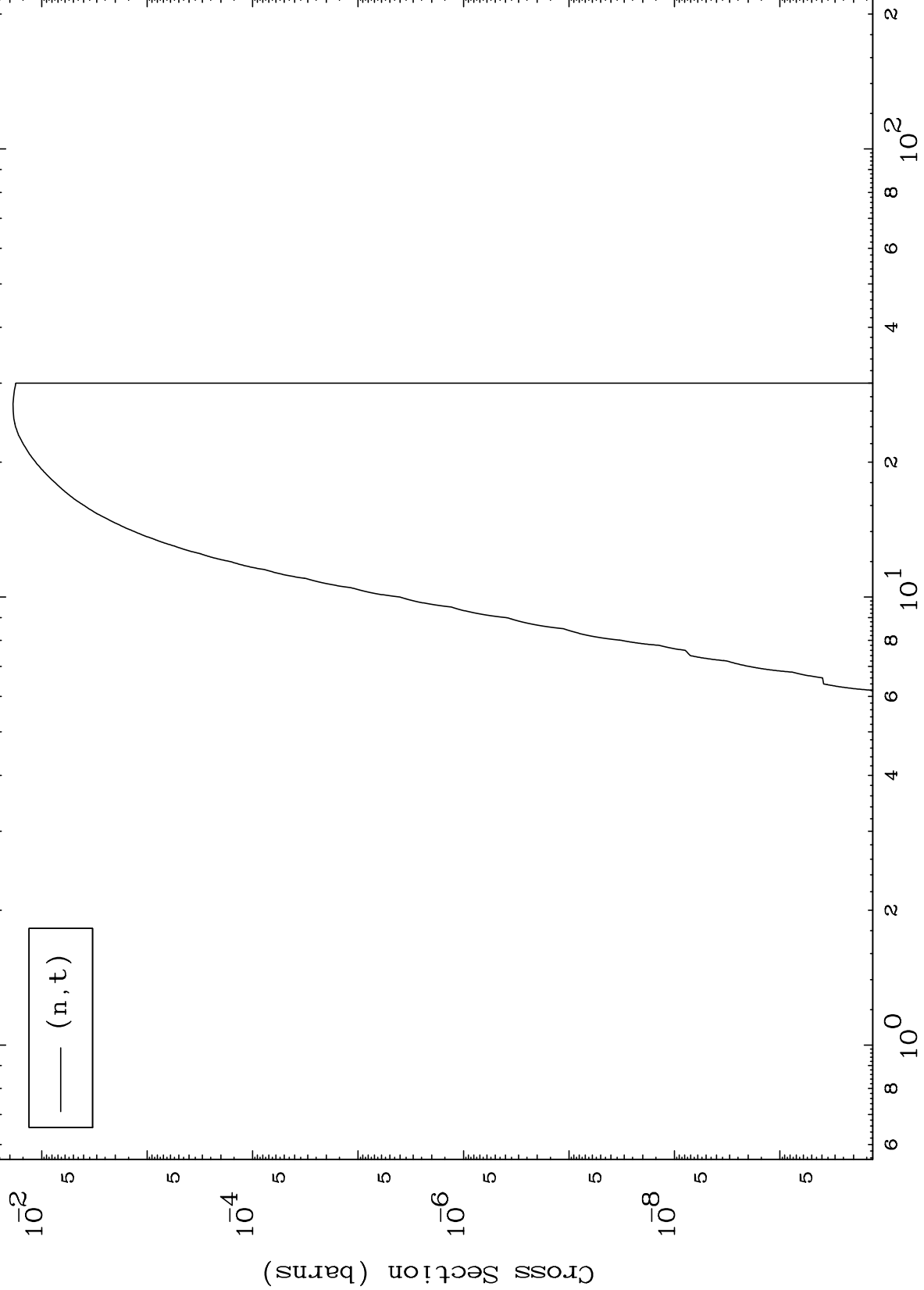
73-Ta-160



MAT 7265

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-160



13

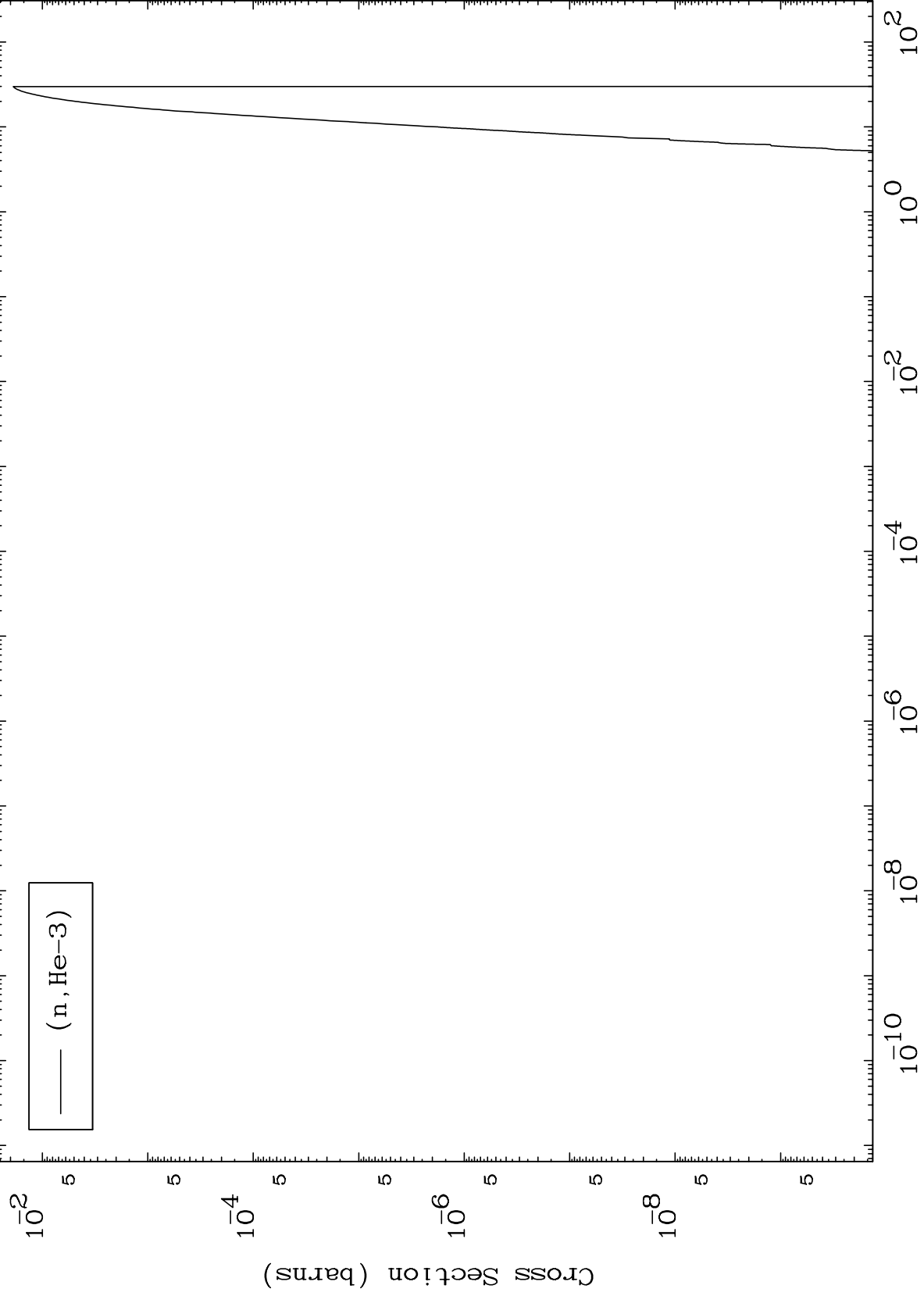
Incident Energy (MeV)

73-Ta-160

MAT 7265

(n,He3) Levels
293 Kelvin Cross Sections

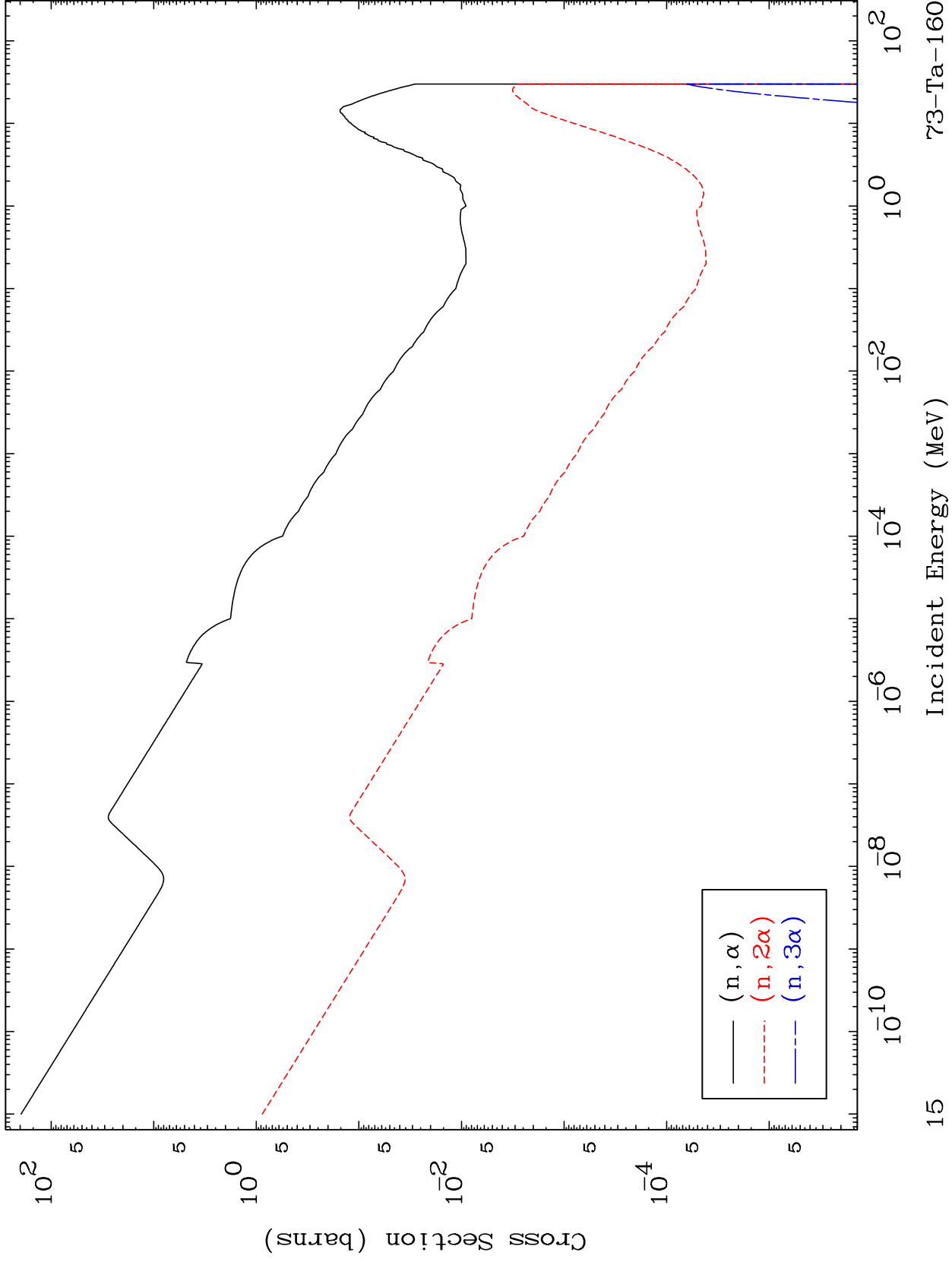
73-Ta-160

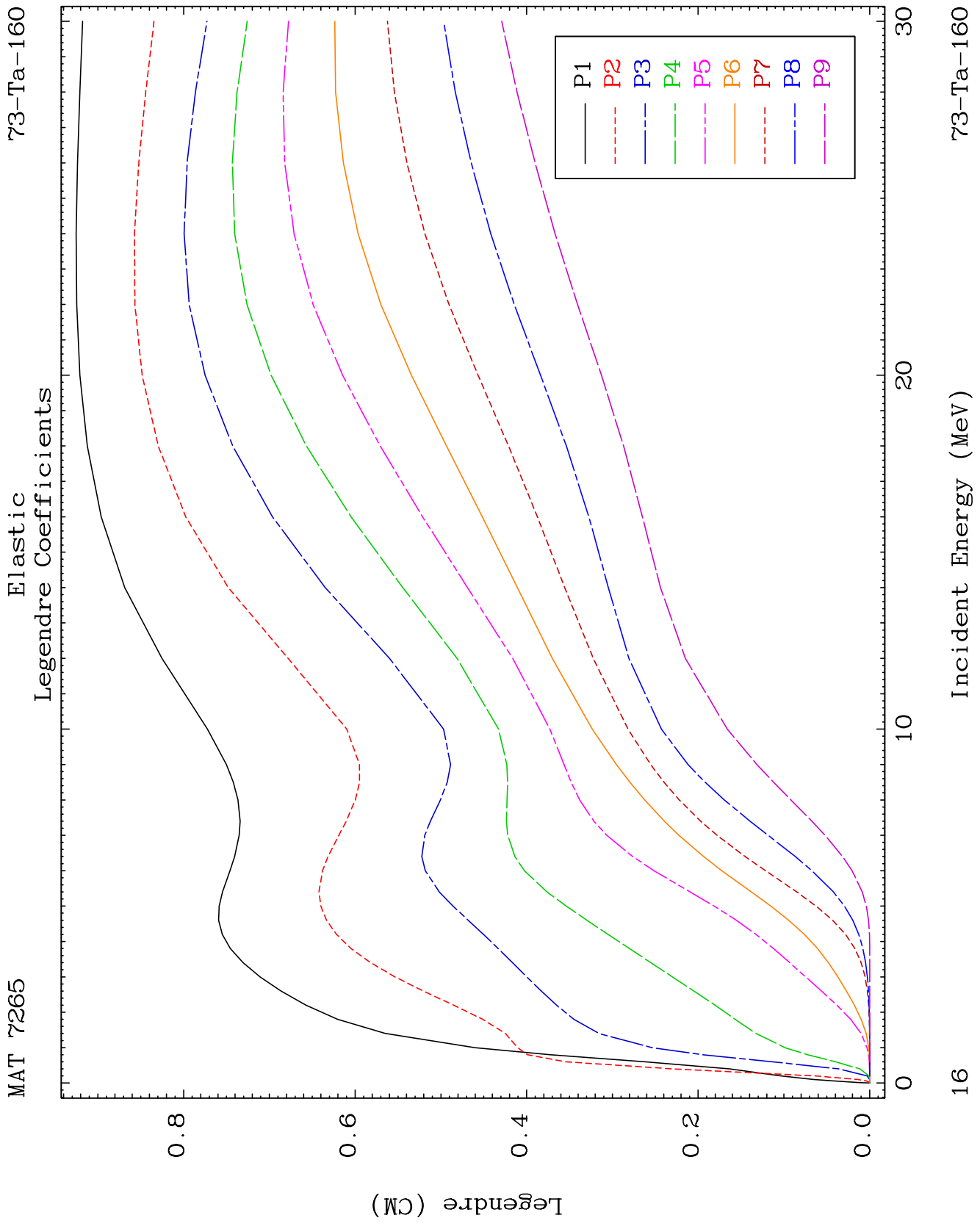


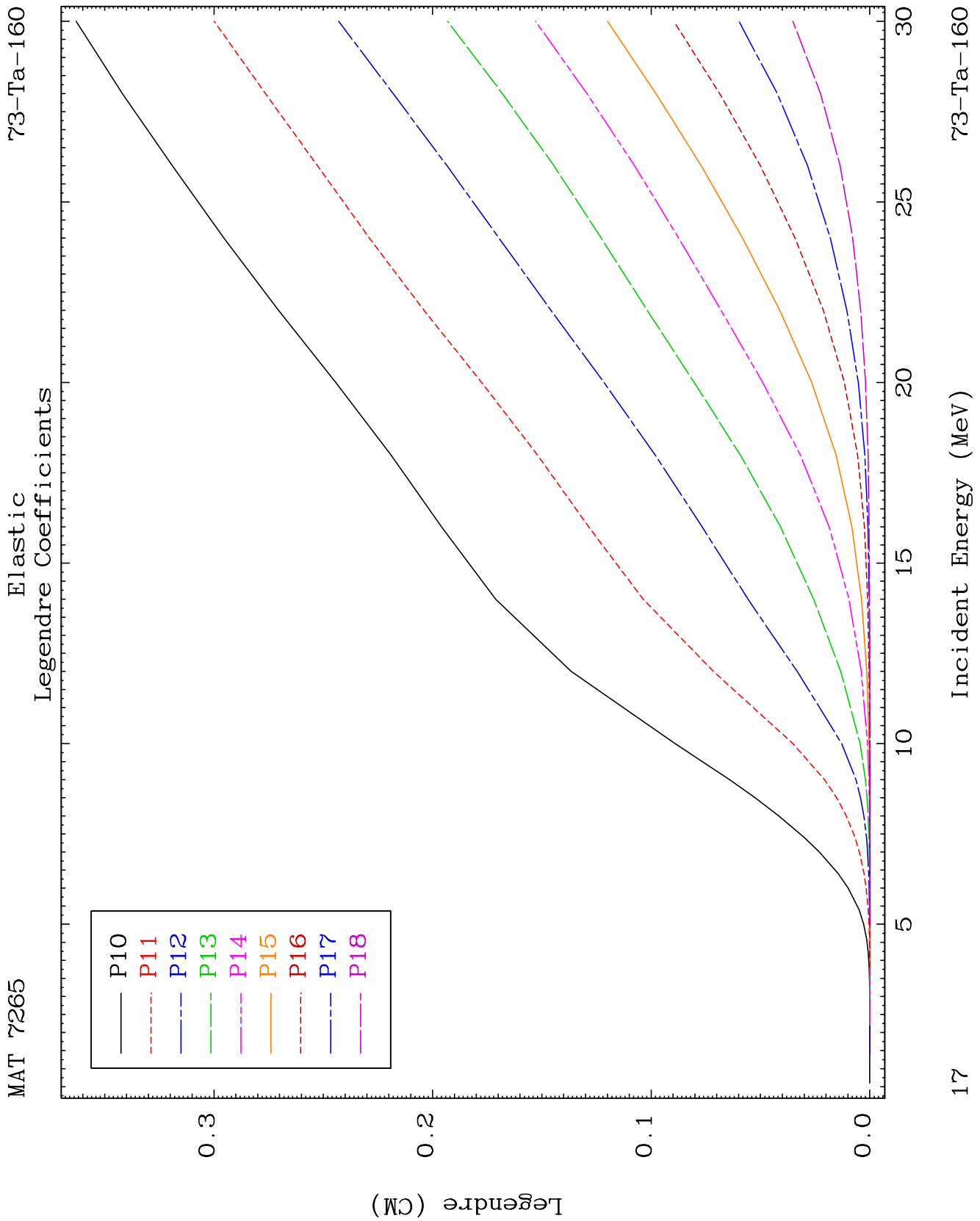
MAT 7265

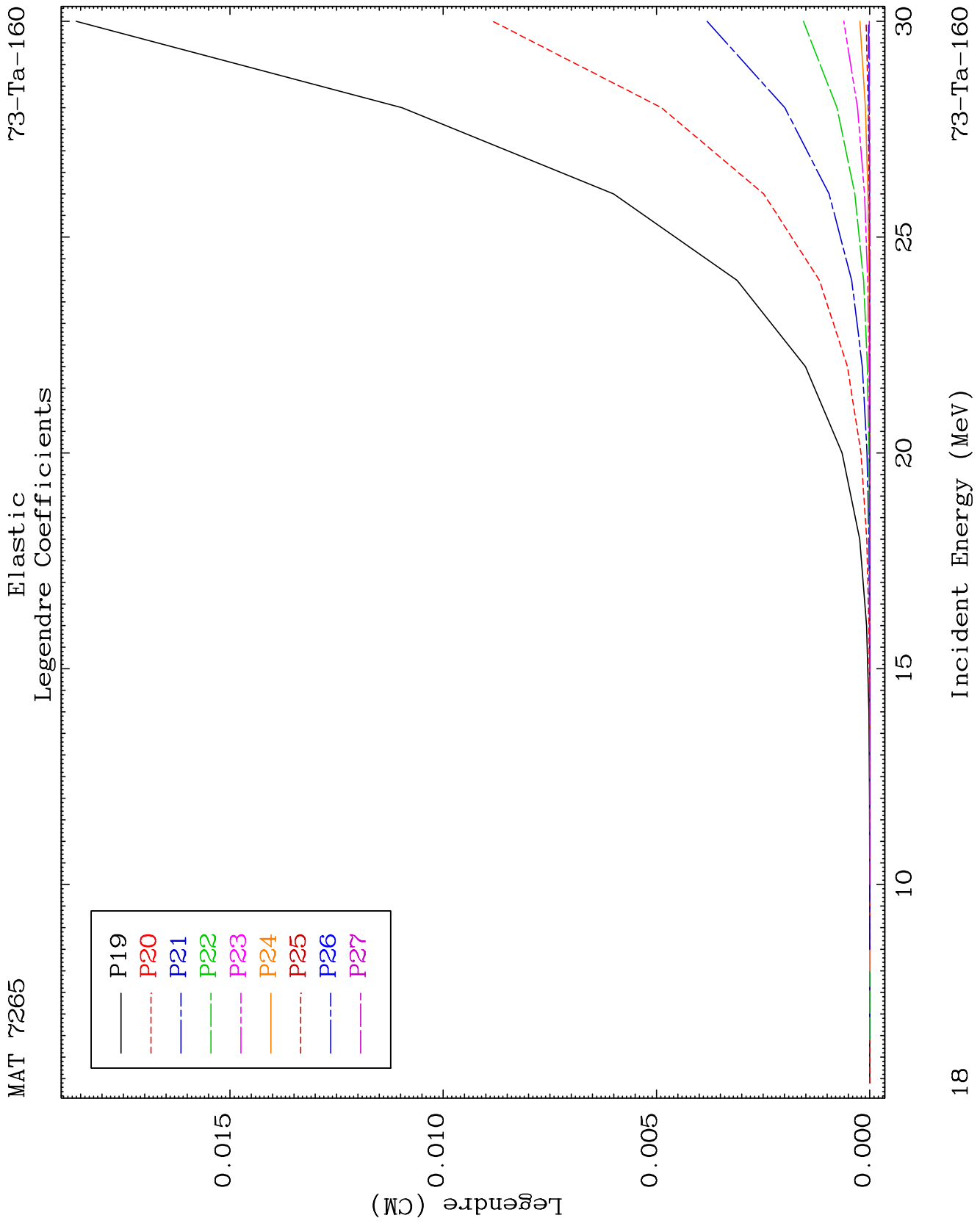
(n, α) Levels
293 Kelvin Cross Sections

73-Ta-160





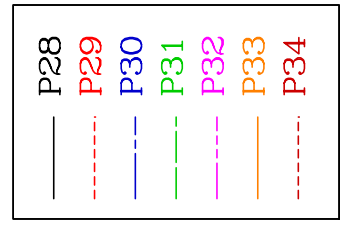




MAT 7265

Elastic Legendre Coefficients

⁷³Ta-160



$\times 10^{-6}$

Legendre (CM)

10

15

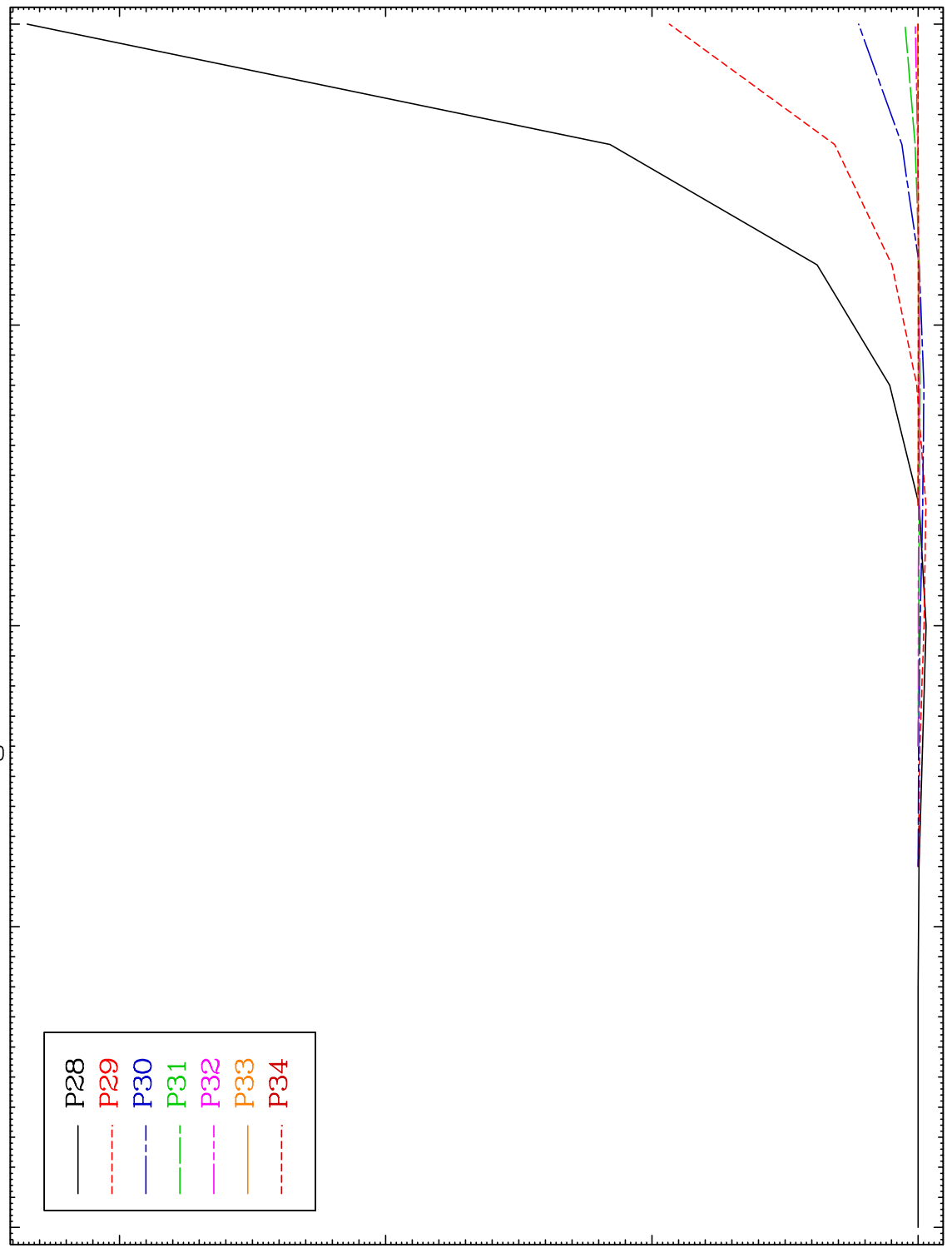
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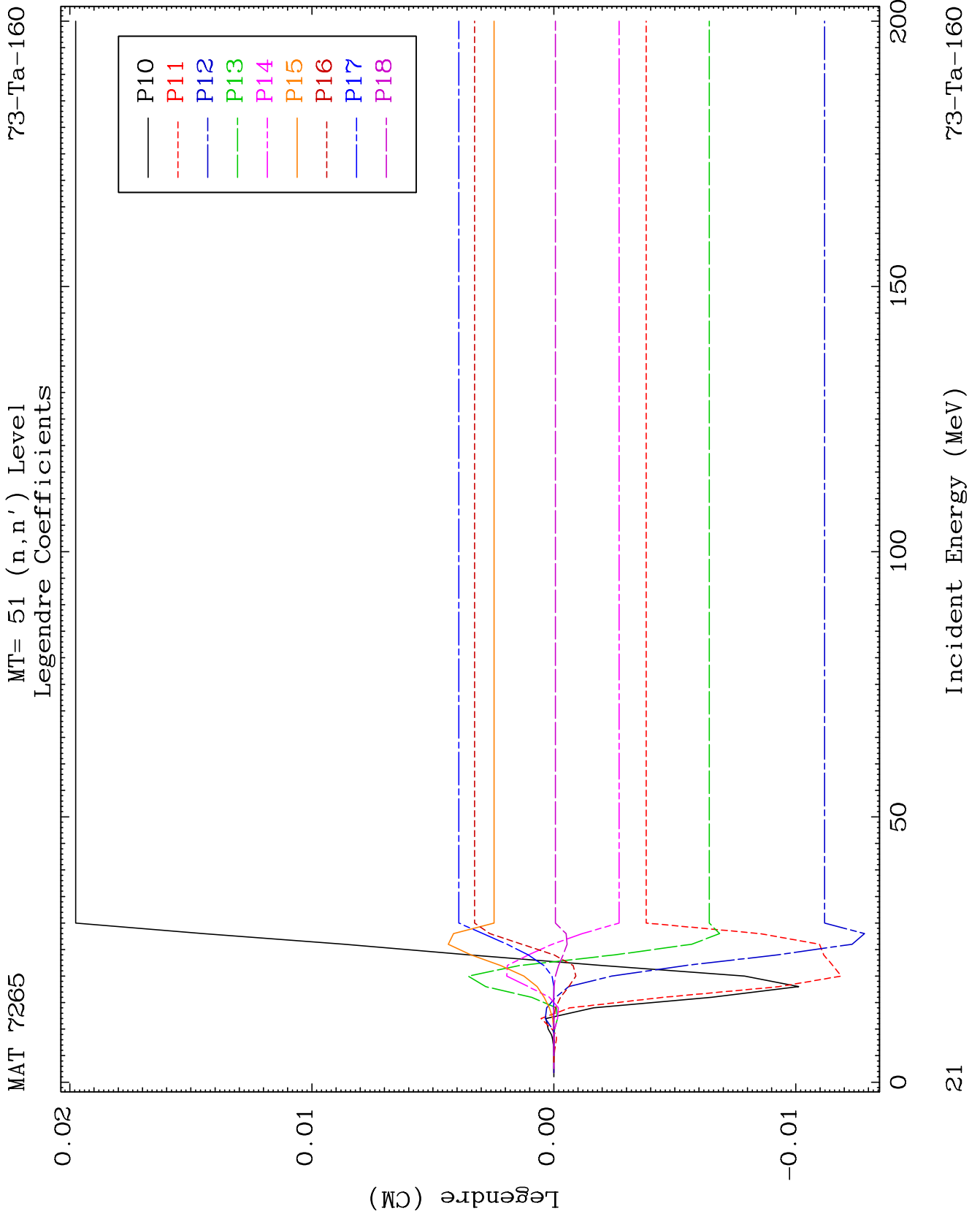
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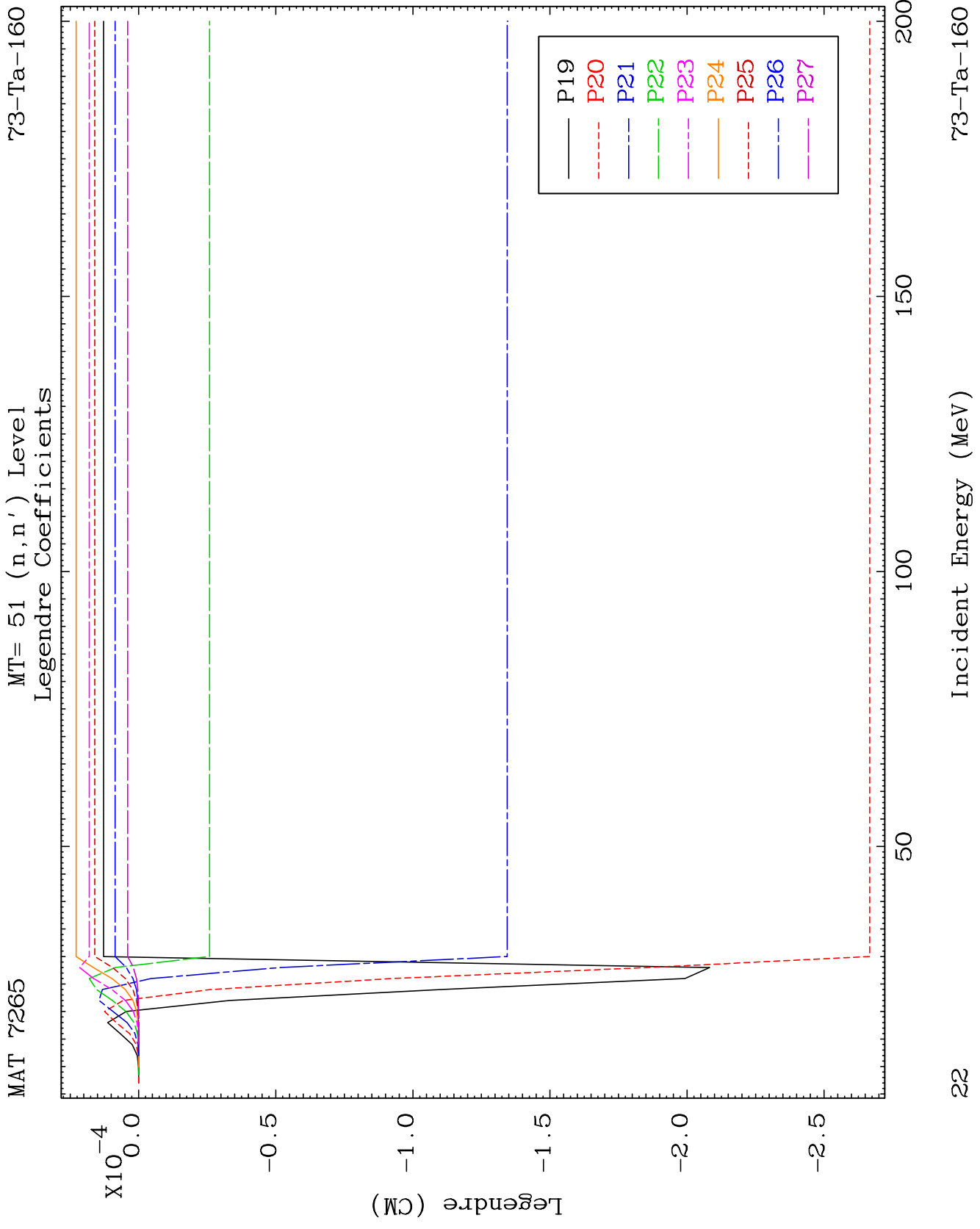
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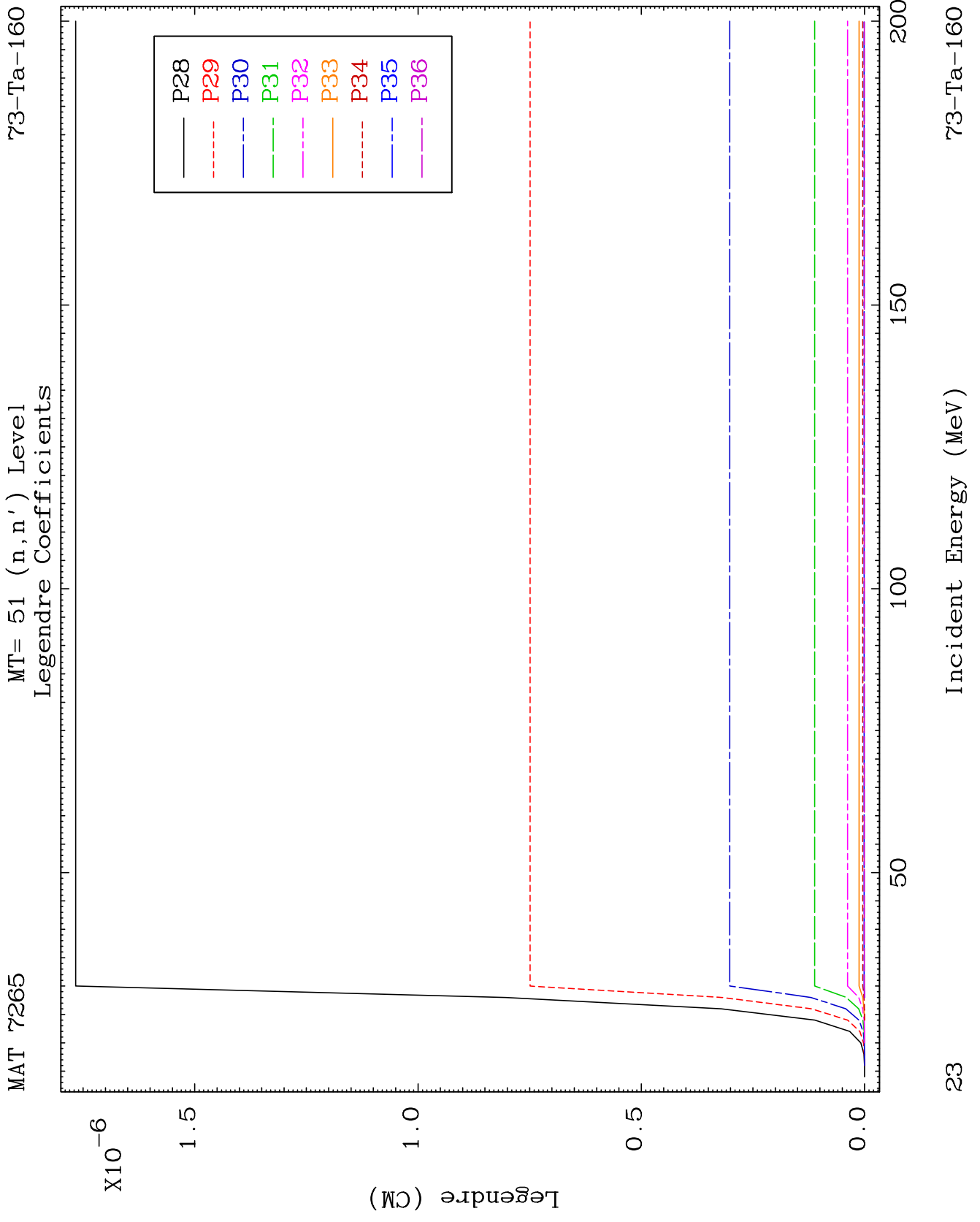
Incident Energy (MeV)

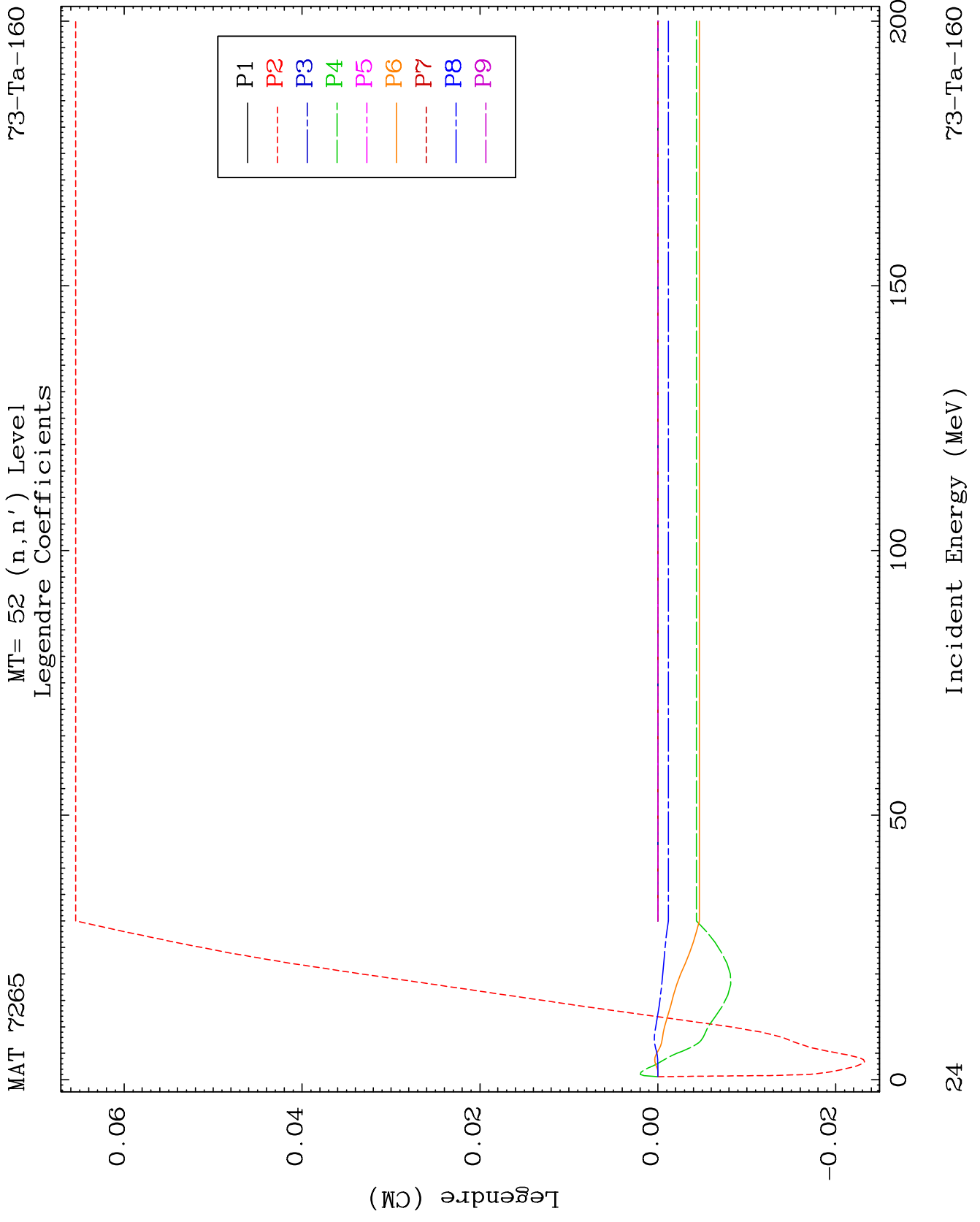
⁷³Ta-160







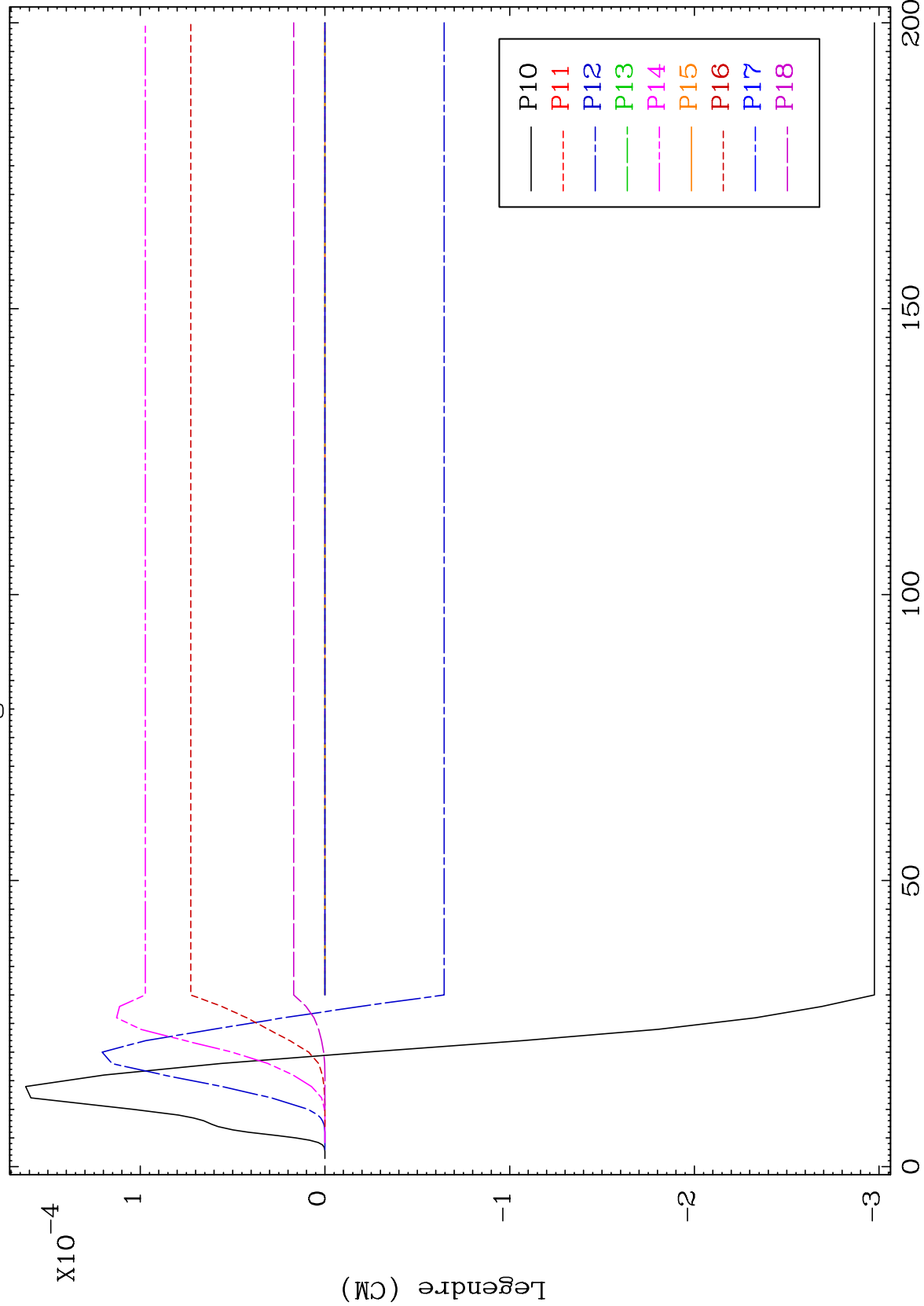




MAT 7265

MT= 52 (n,n') Level
Legendre Coefficients

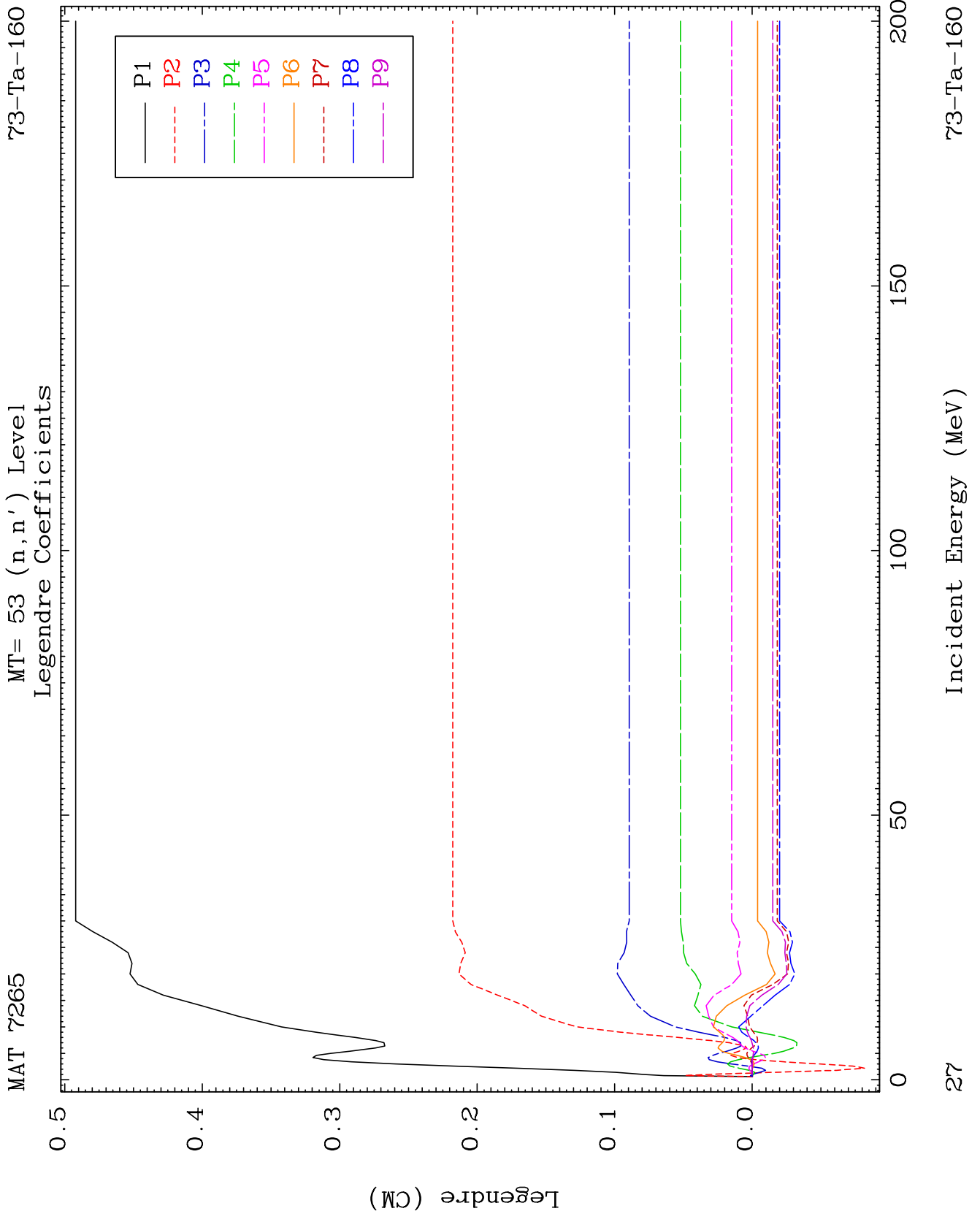
73-Ta-160



25

Incident Energy (MeV)

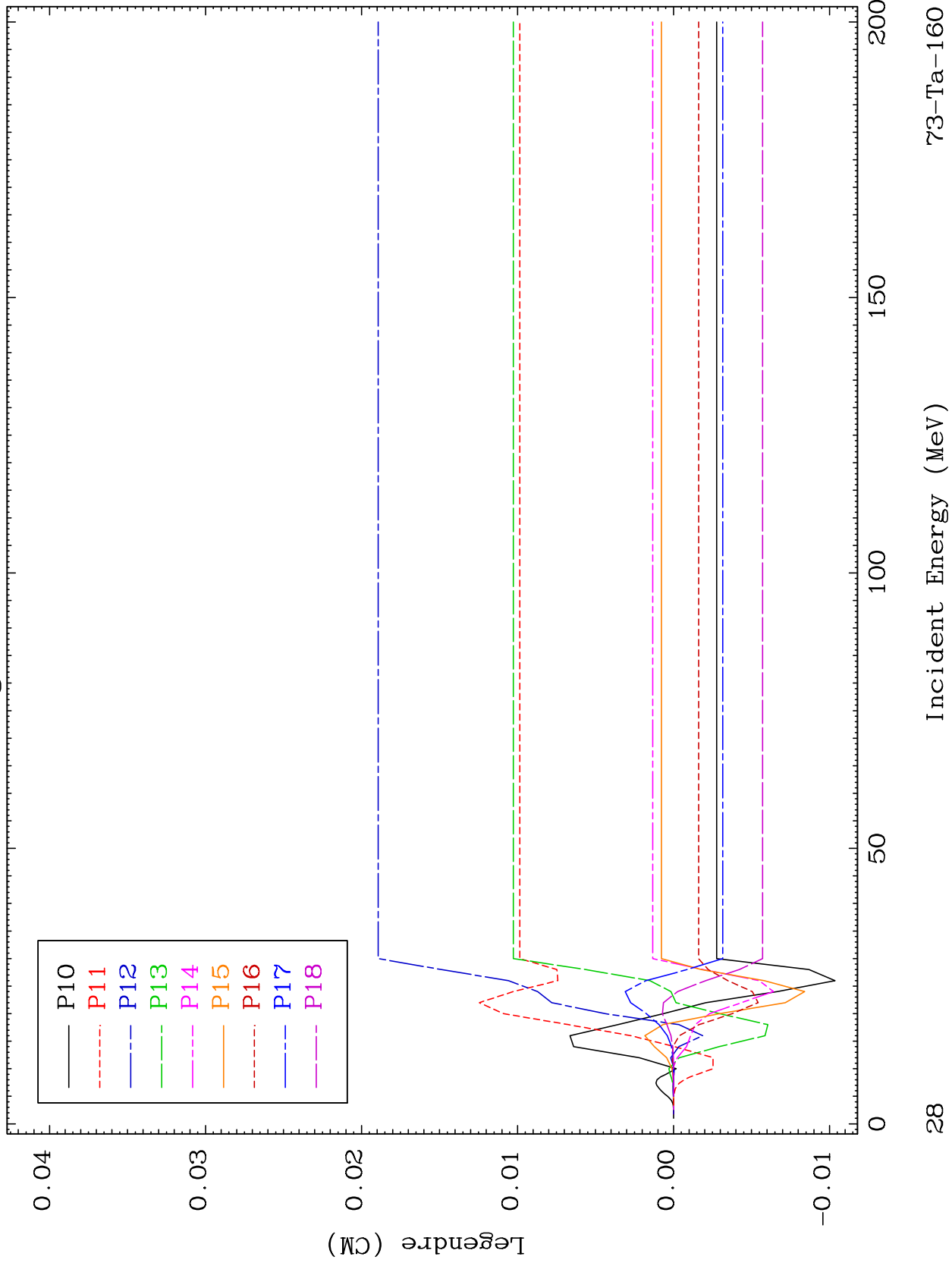
73-Ta-160



MAT 7265

MT= 53 (n,n') Level
Legendre Coefficients

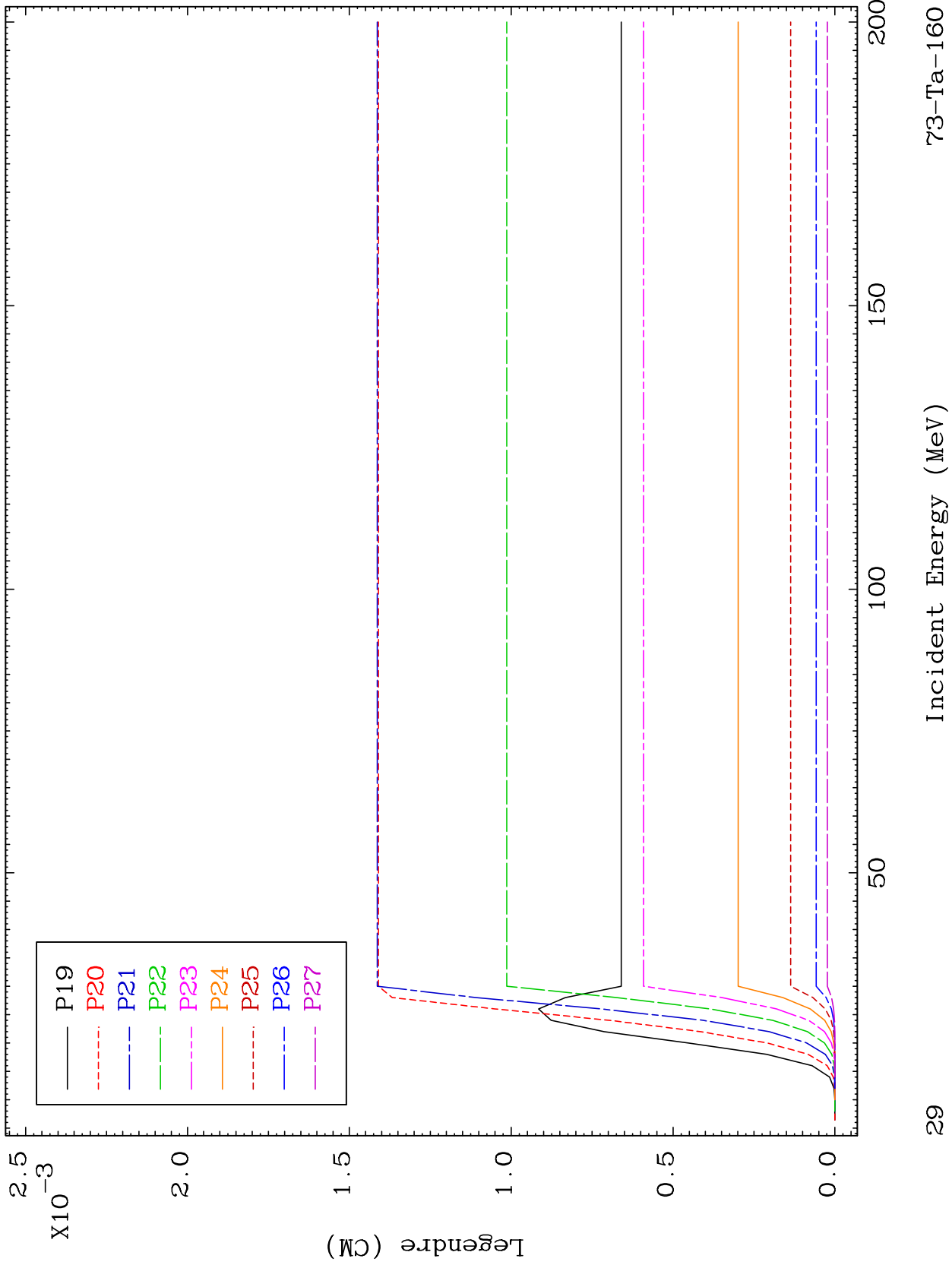
73-Ta-160

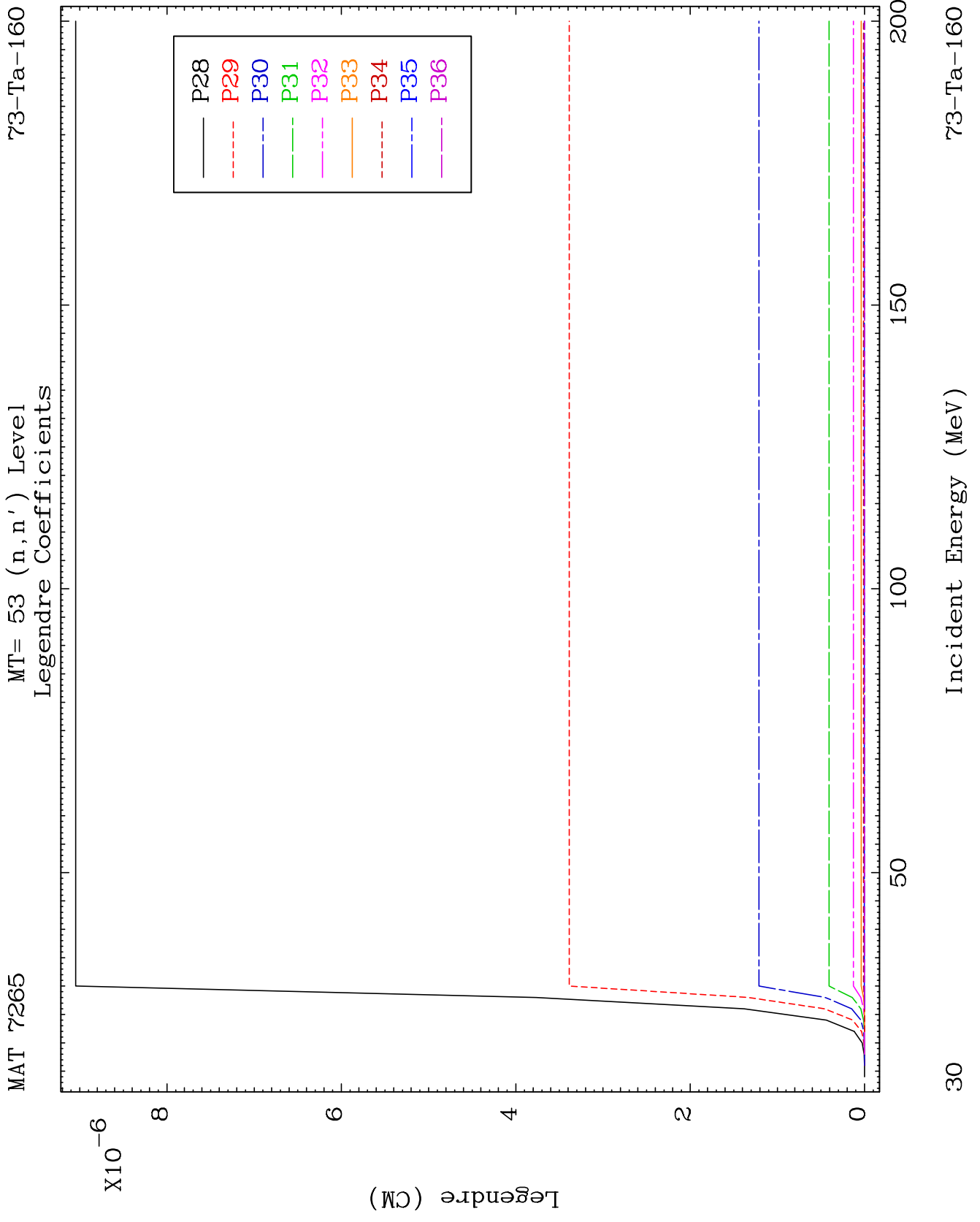


MAT 7265

MT= 53 (n,n') Level
Legendre Coefficients

73-Ta-160

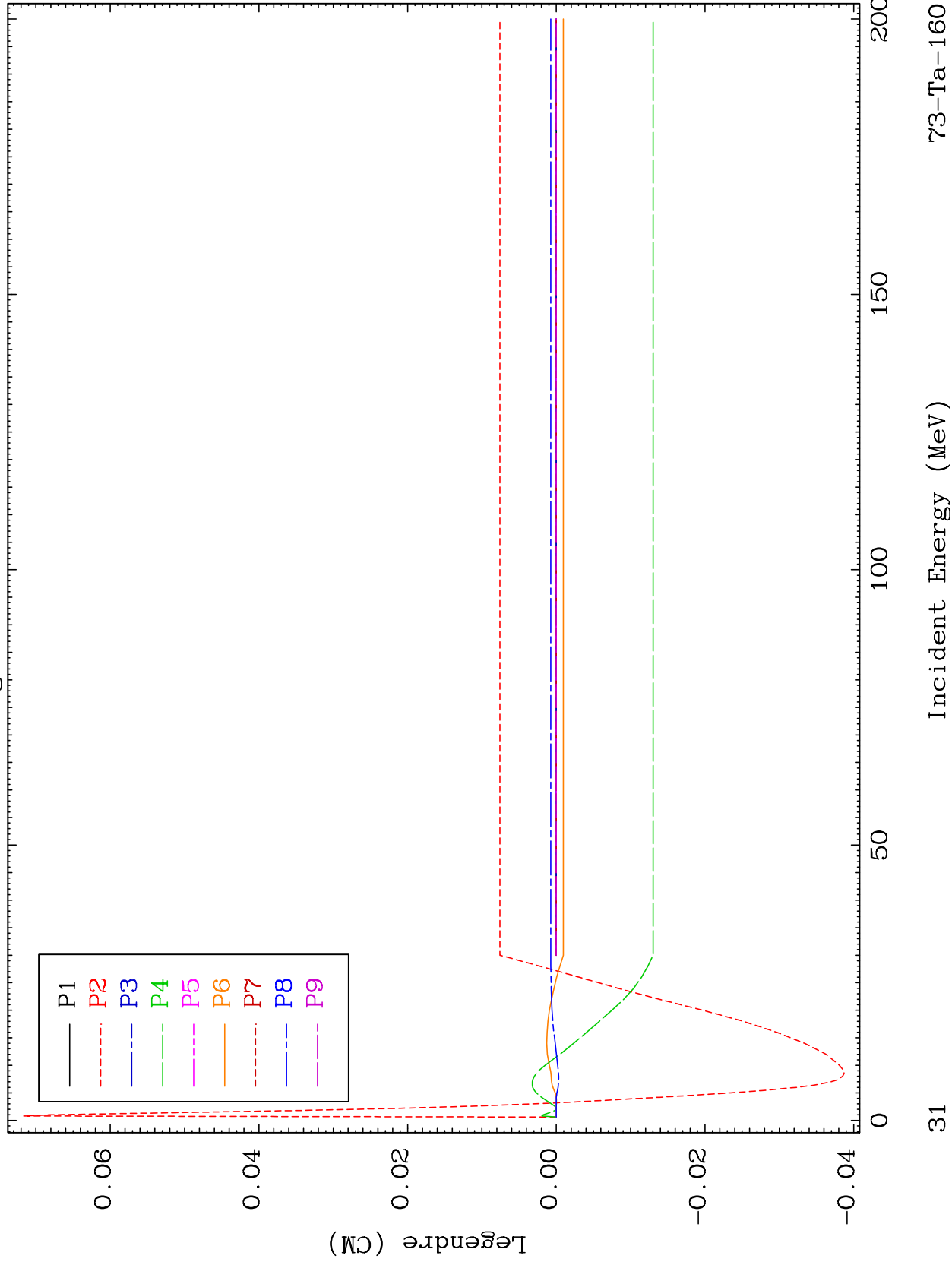




MAT 7265

MT= 54 (n,n') Level
Legendre Coefficients

73-Ta-160



31

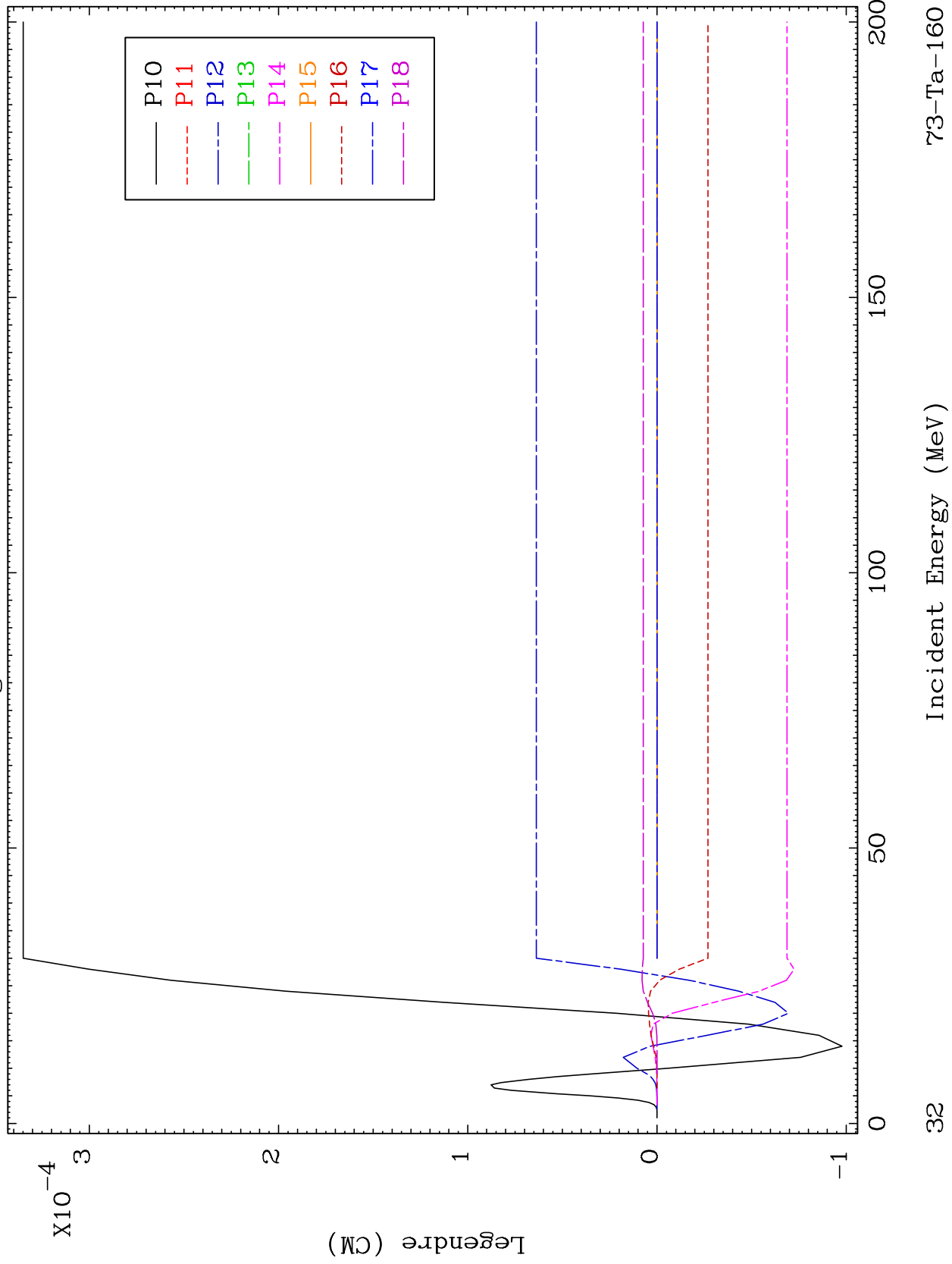
Incident Energy (MeV)

73-Ta-160

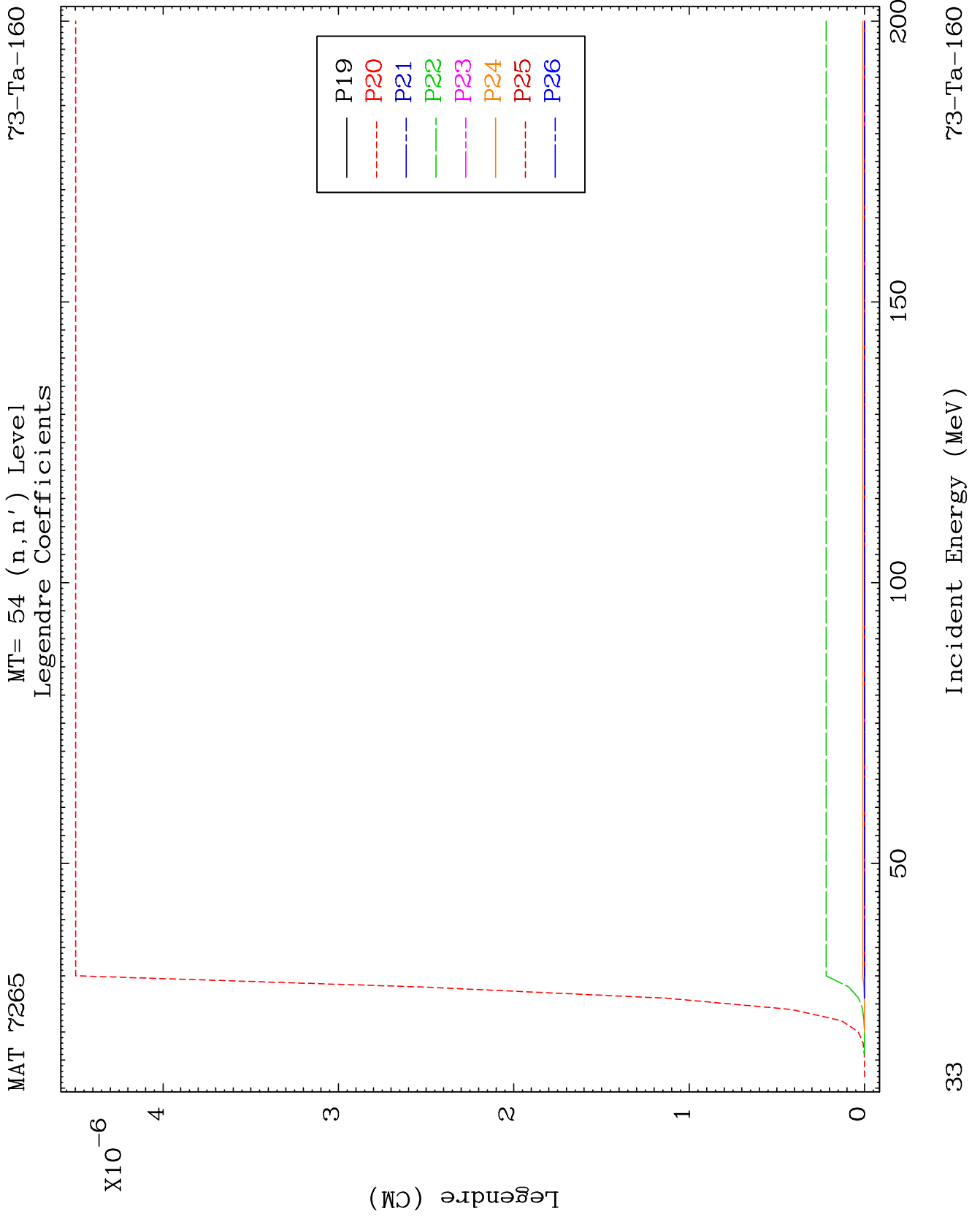
MAT 7265

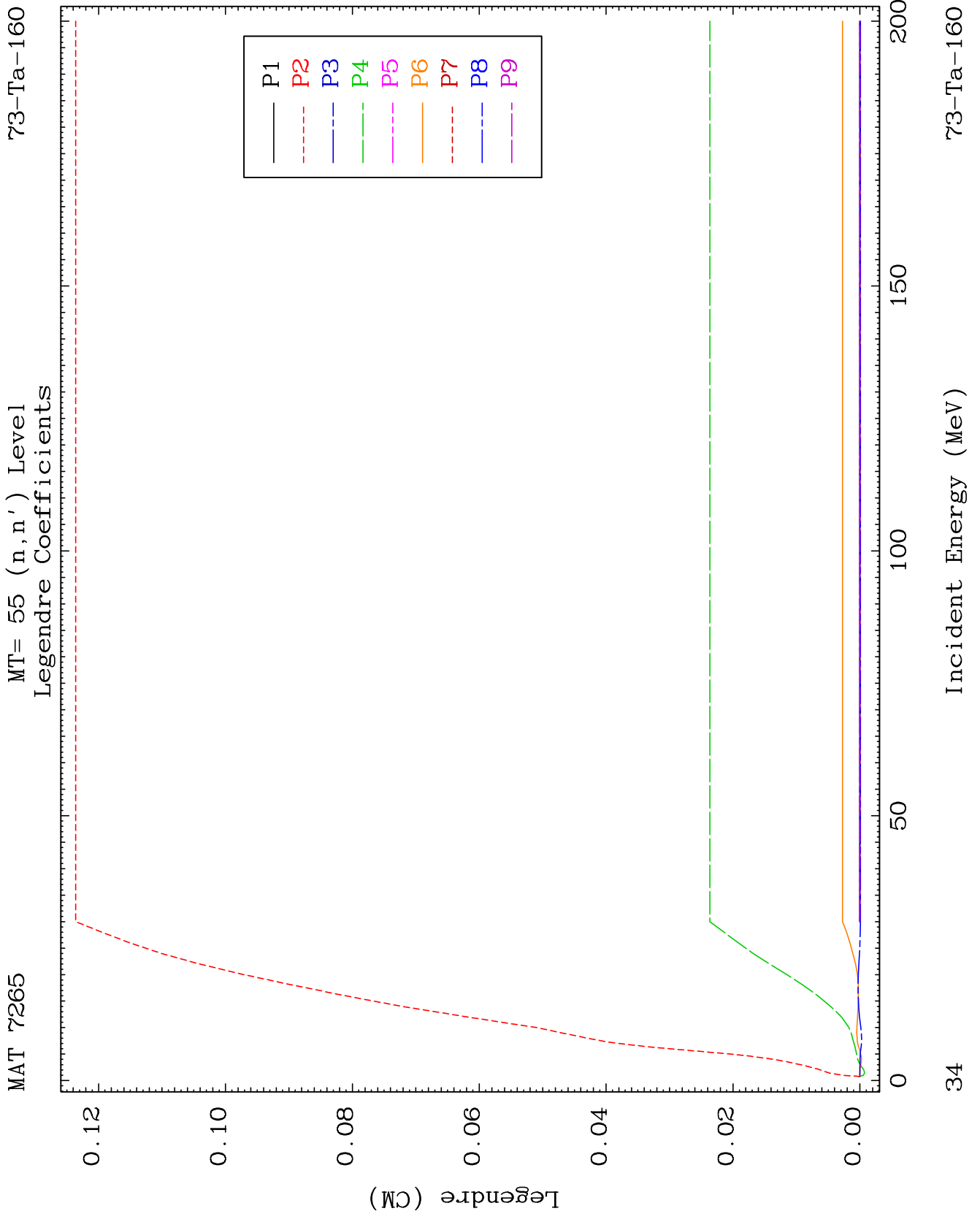
MT= 54 (n,n') Level
Legendre Coefficients

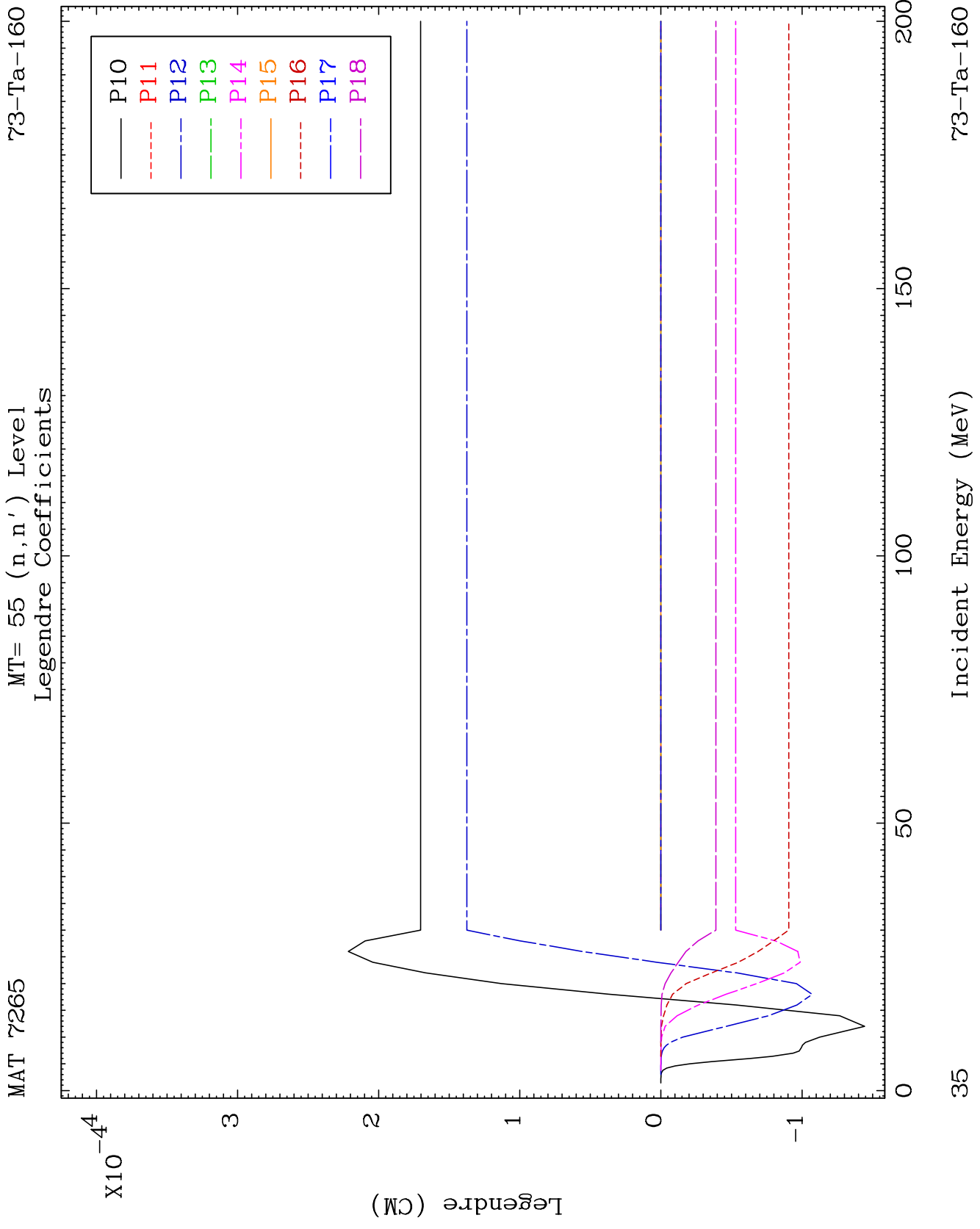
73-Ta-160

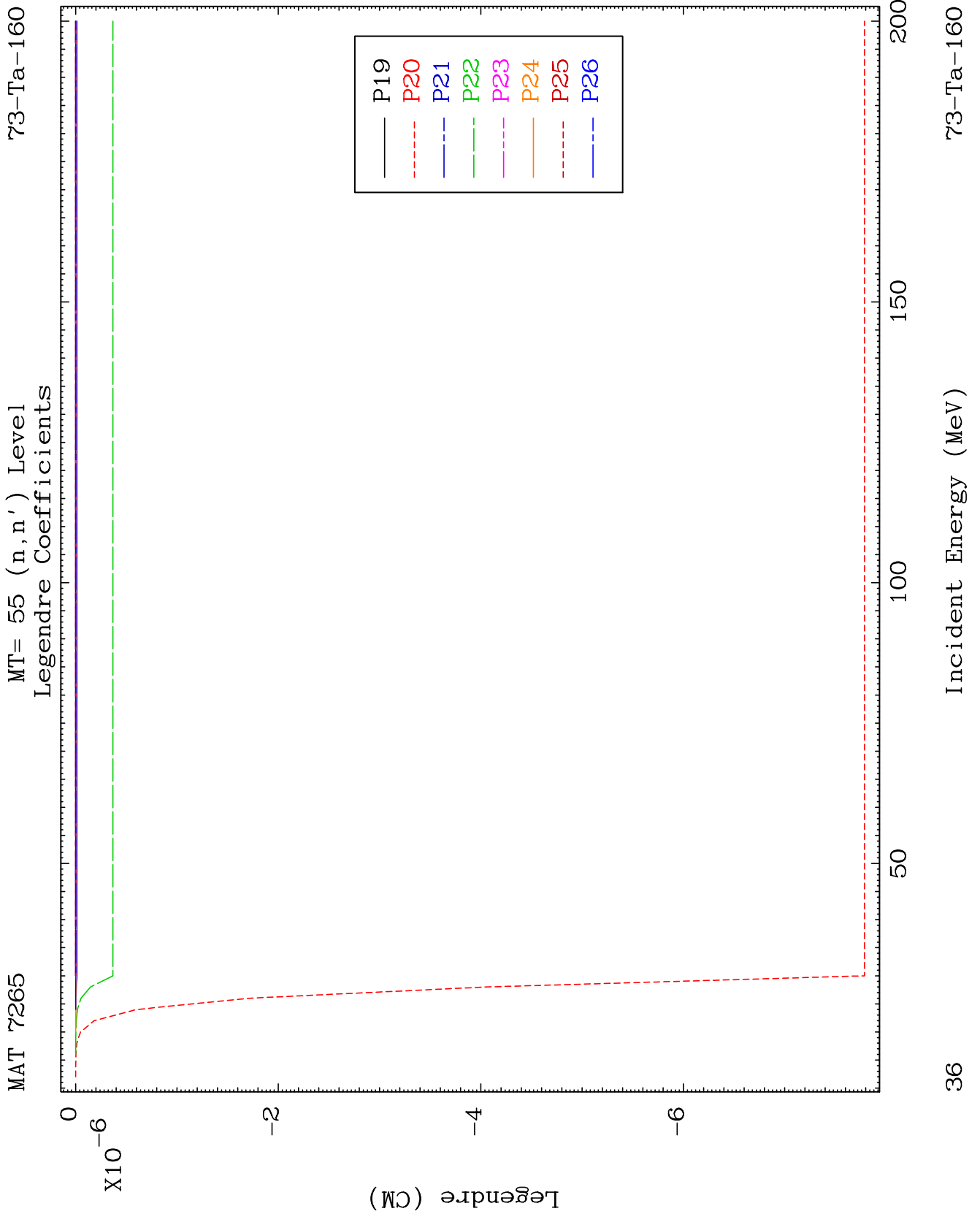


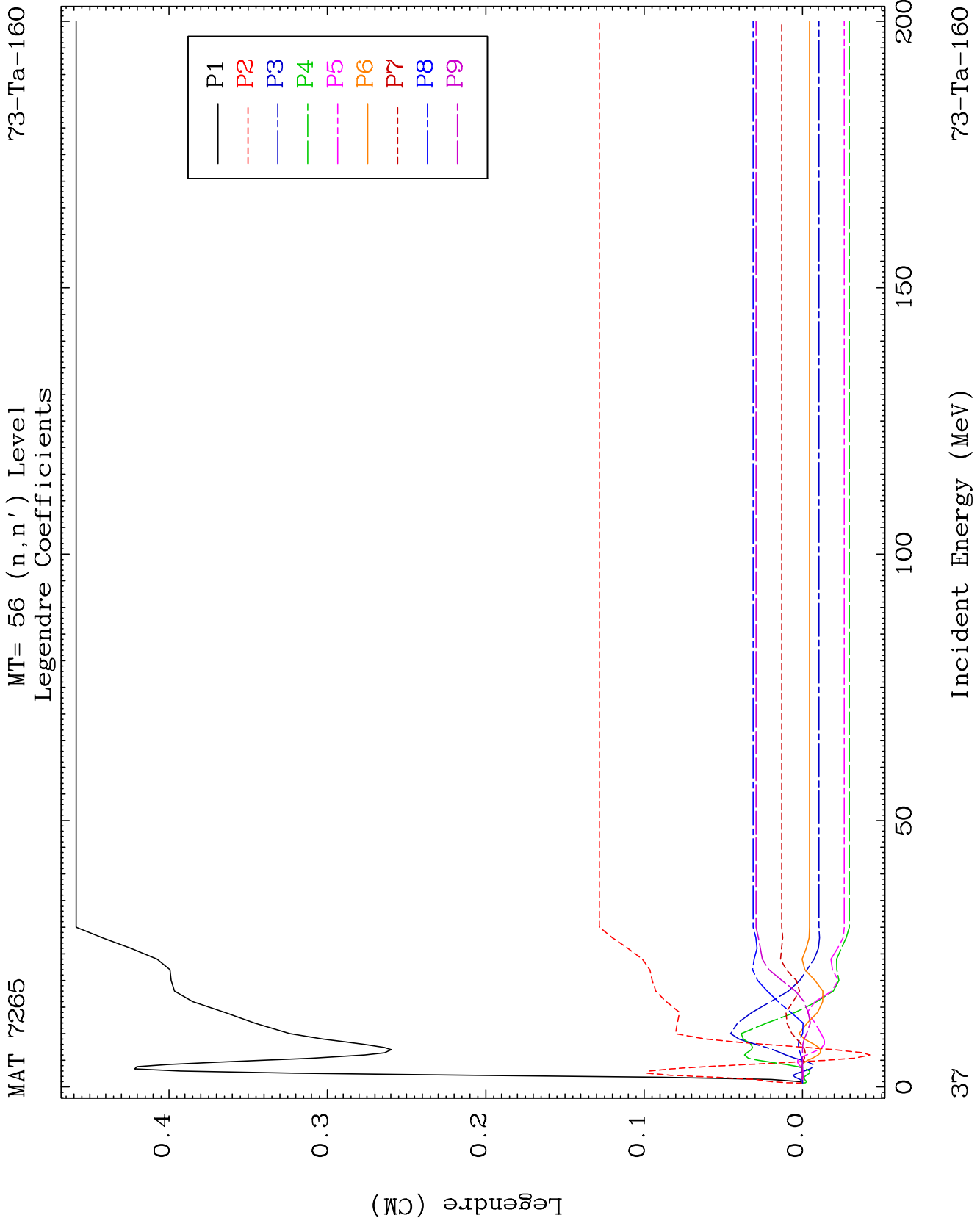
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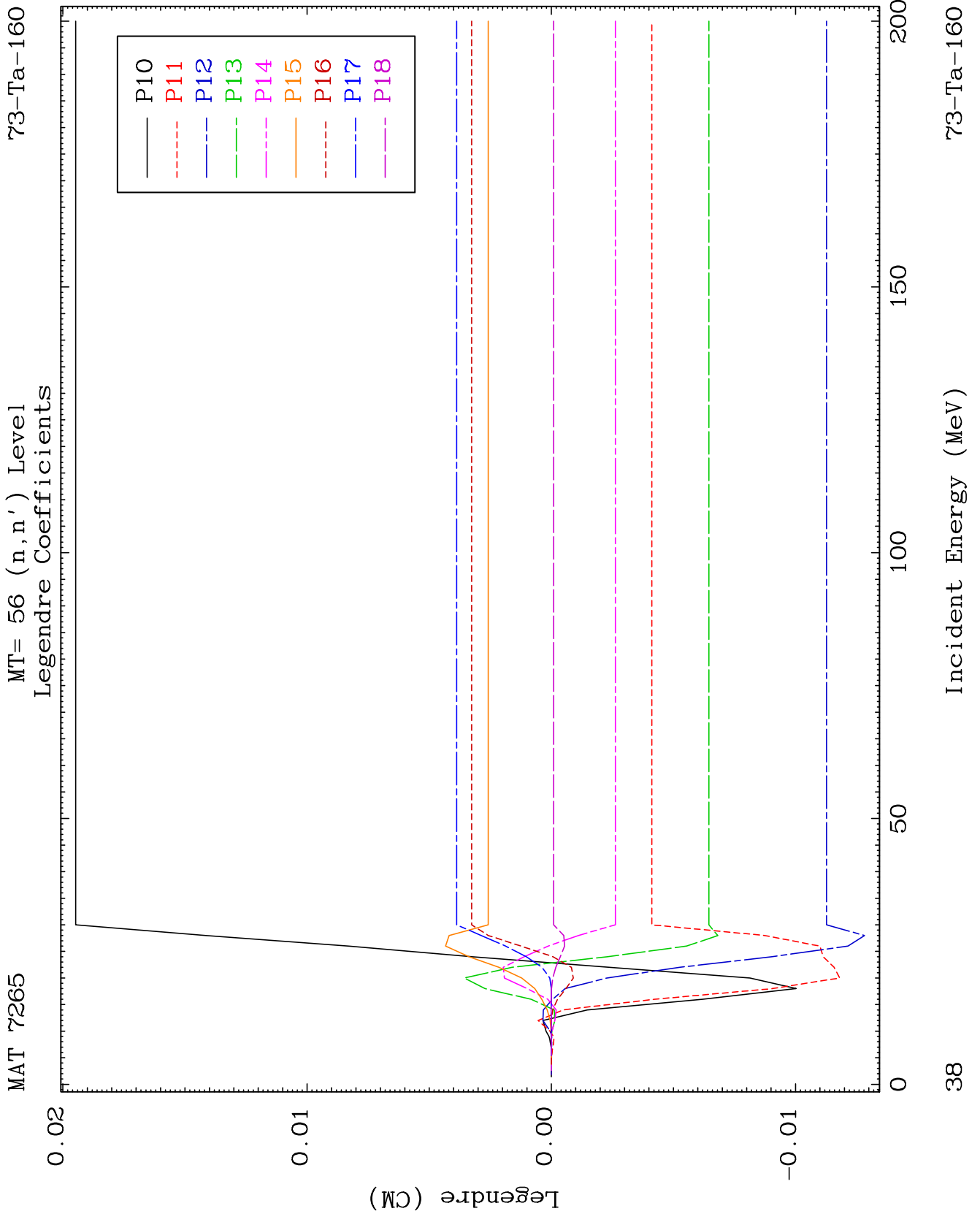








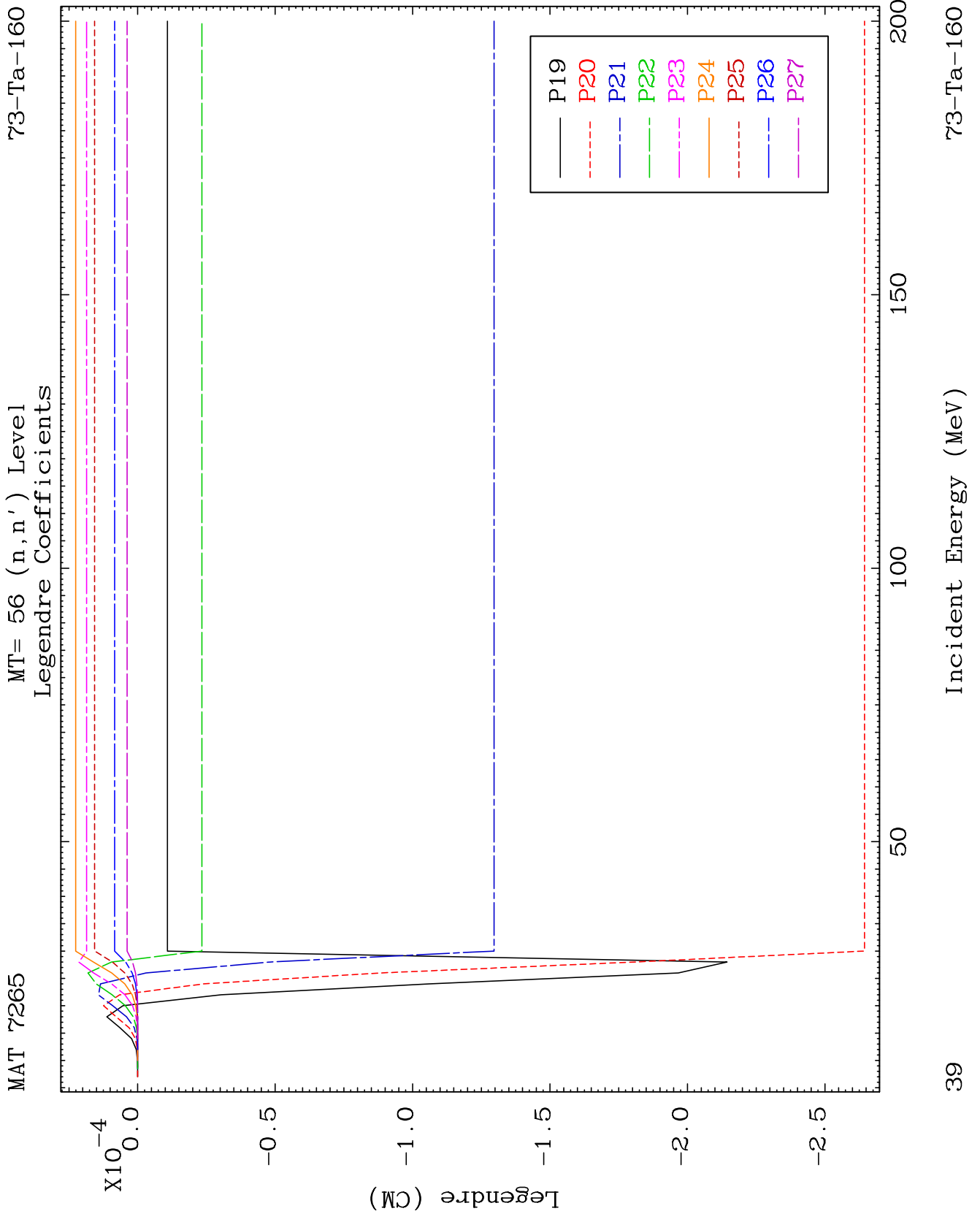


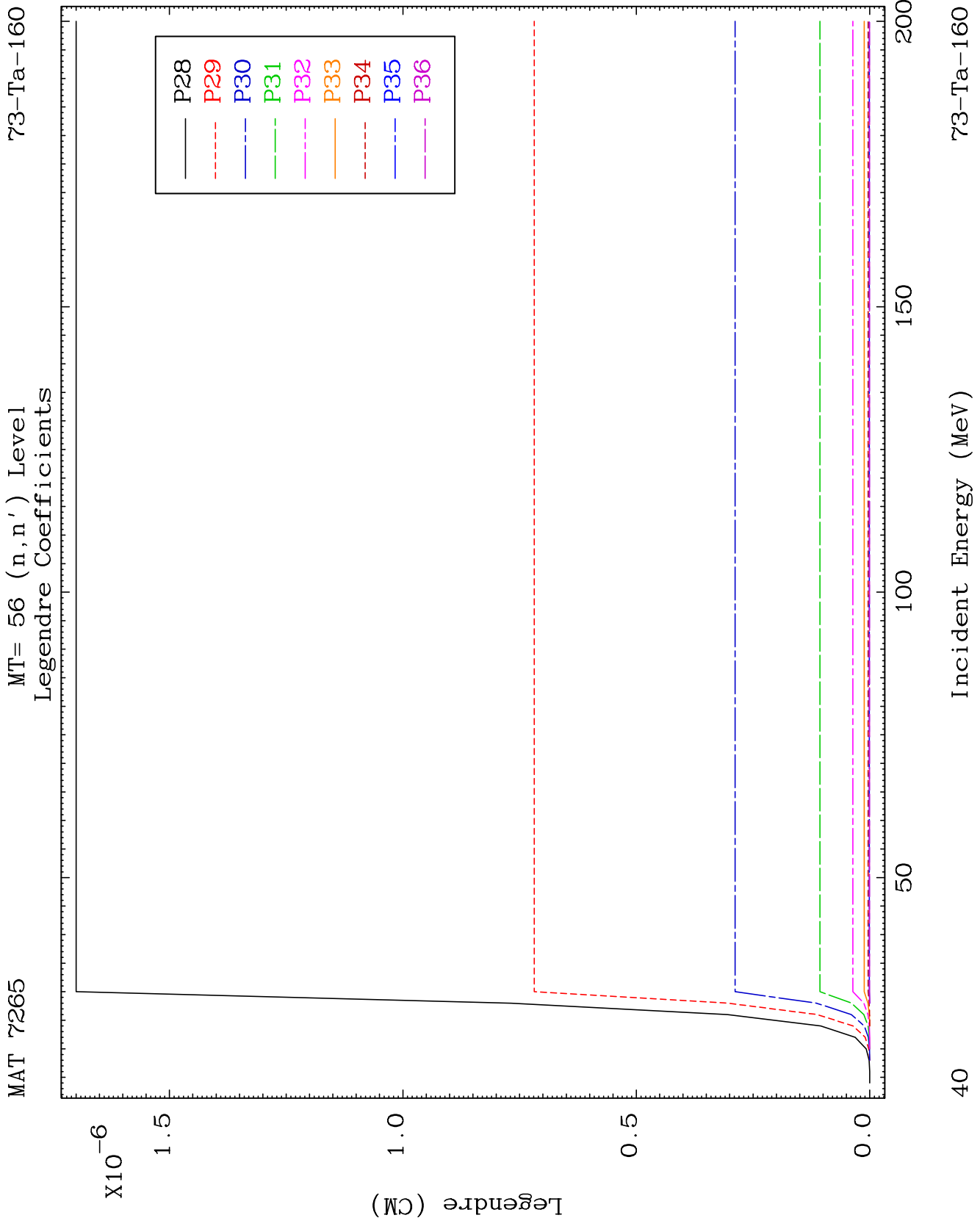


73-Ta-160

Incident Energy (MeV)

38

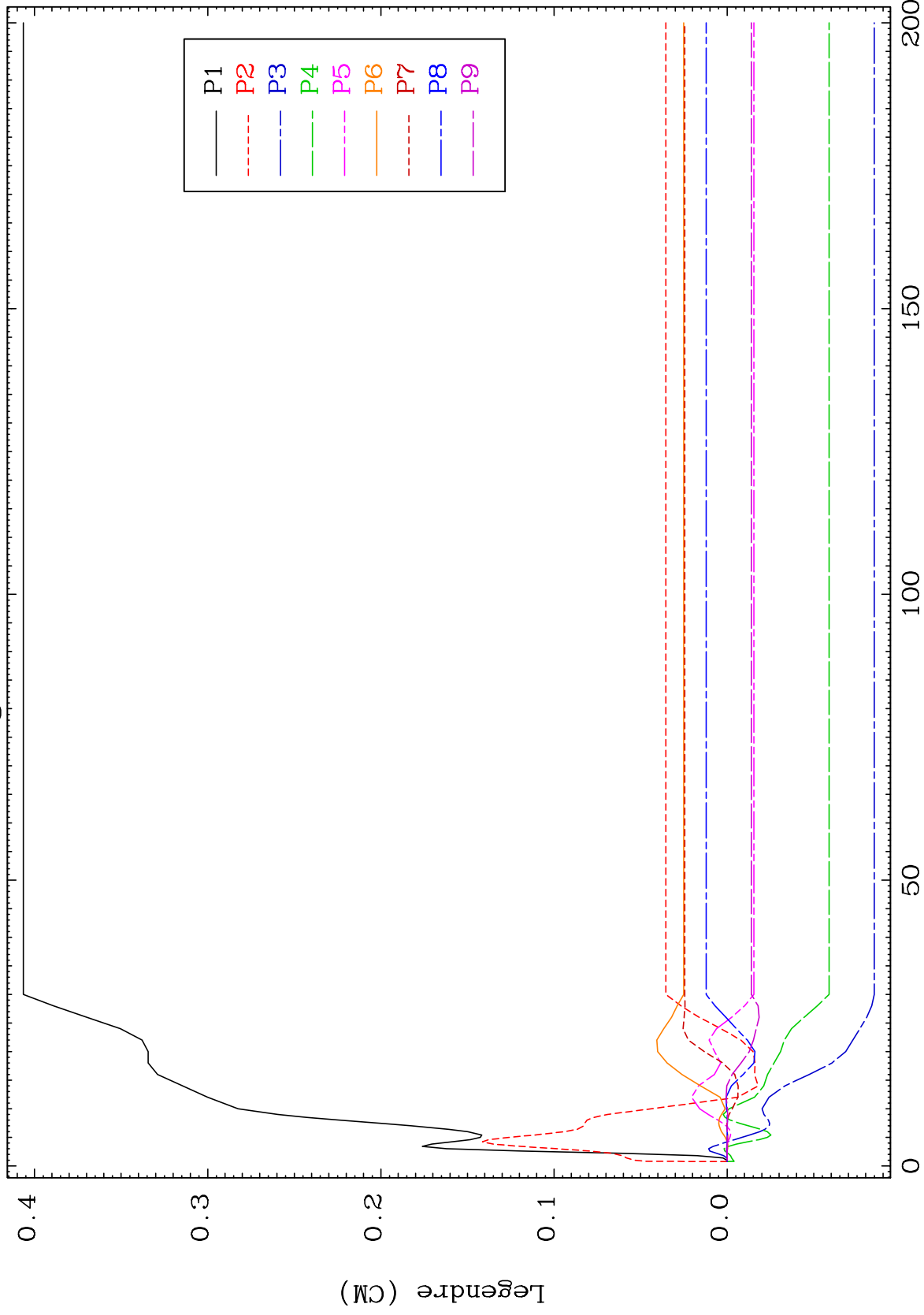




MAT 7265

MT= 57 (n,n') Level
Legendre Coefficients

73-Ta-160



41

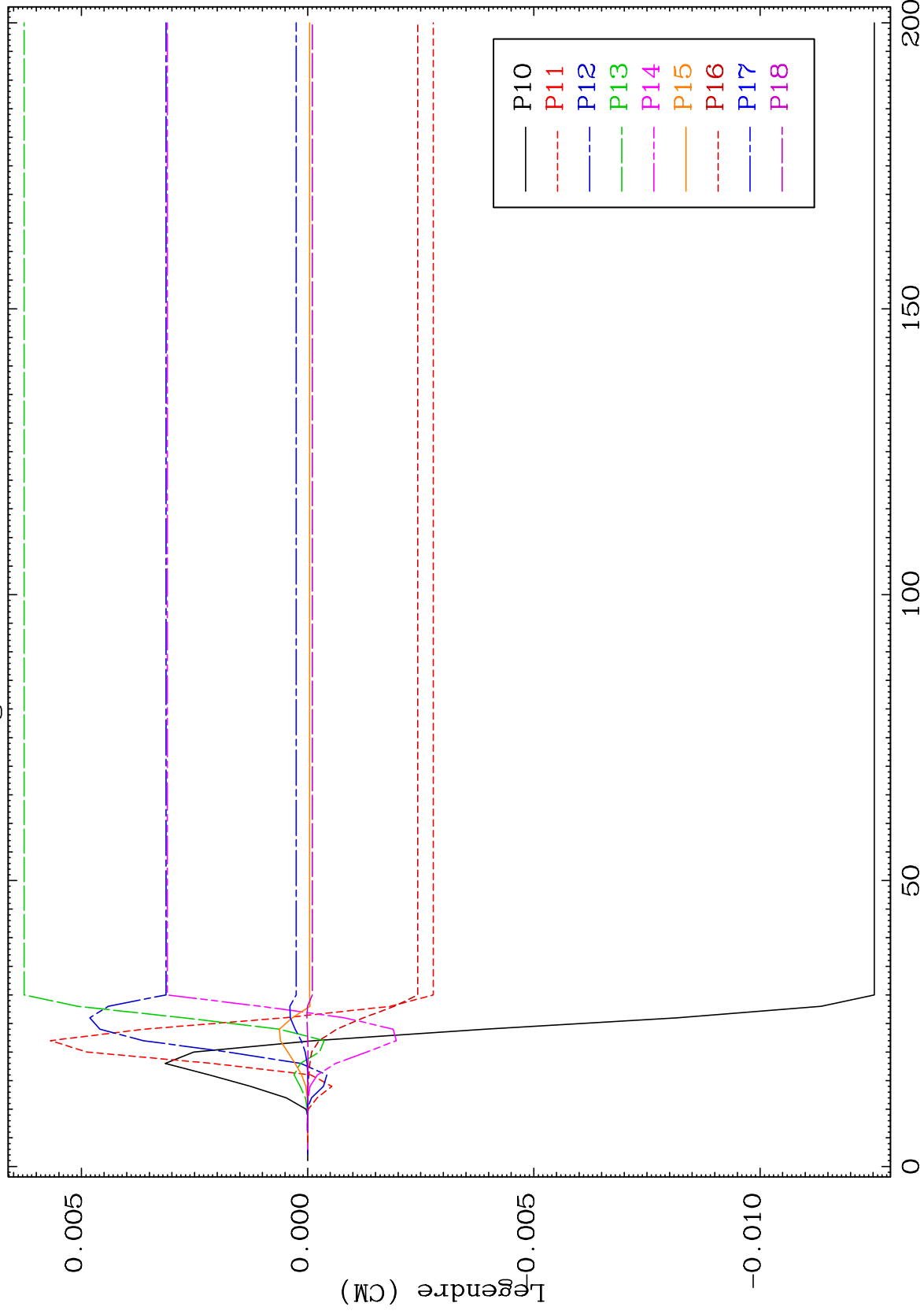
Incident Energy (MeV)

73-Ta-160

MAT 7265

MT= 57 (n,n') Level
Legendre Coefficients

73-Ta-160



42

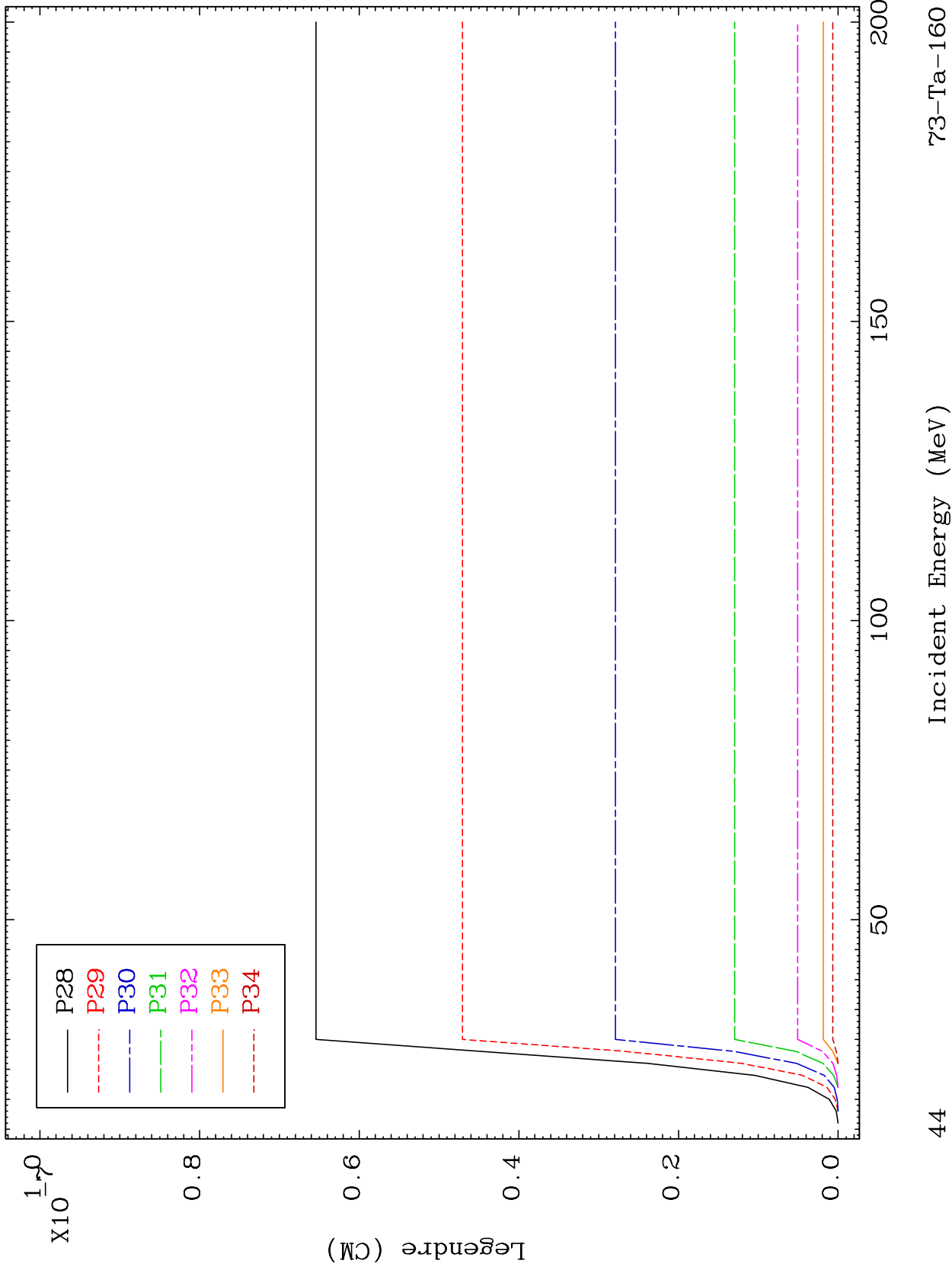
Incident Energy (MeV)

73-Ta-160

MAT 7265

MT= 57 (n,n') Level
Legendre Coefficients

73-Ta-160

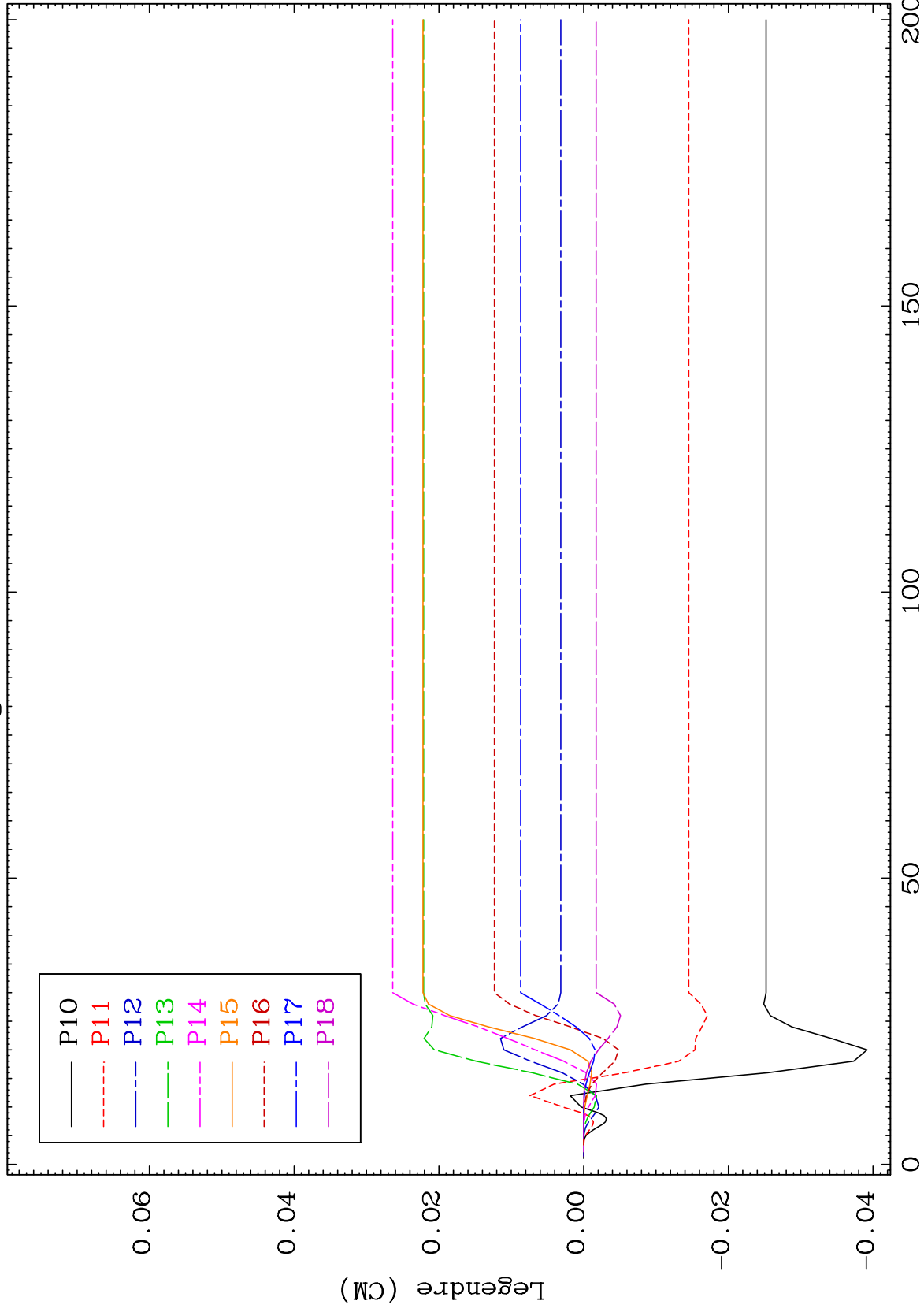


44

MAT 7265

MT= 58 (n,n') Level
Legendre Coefficients

73-Ta-160



46

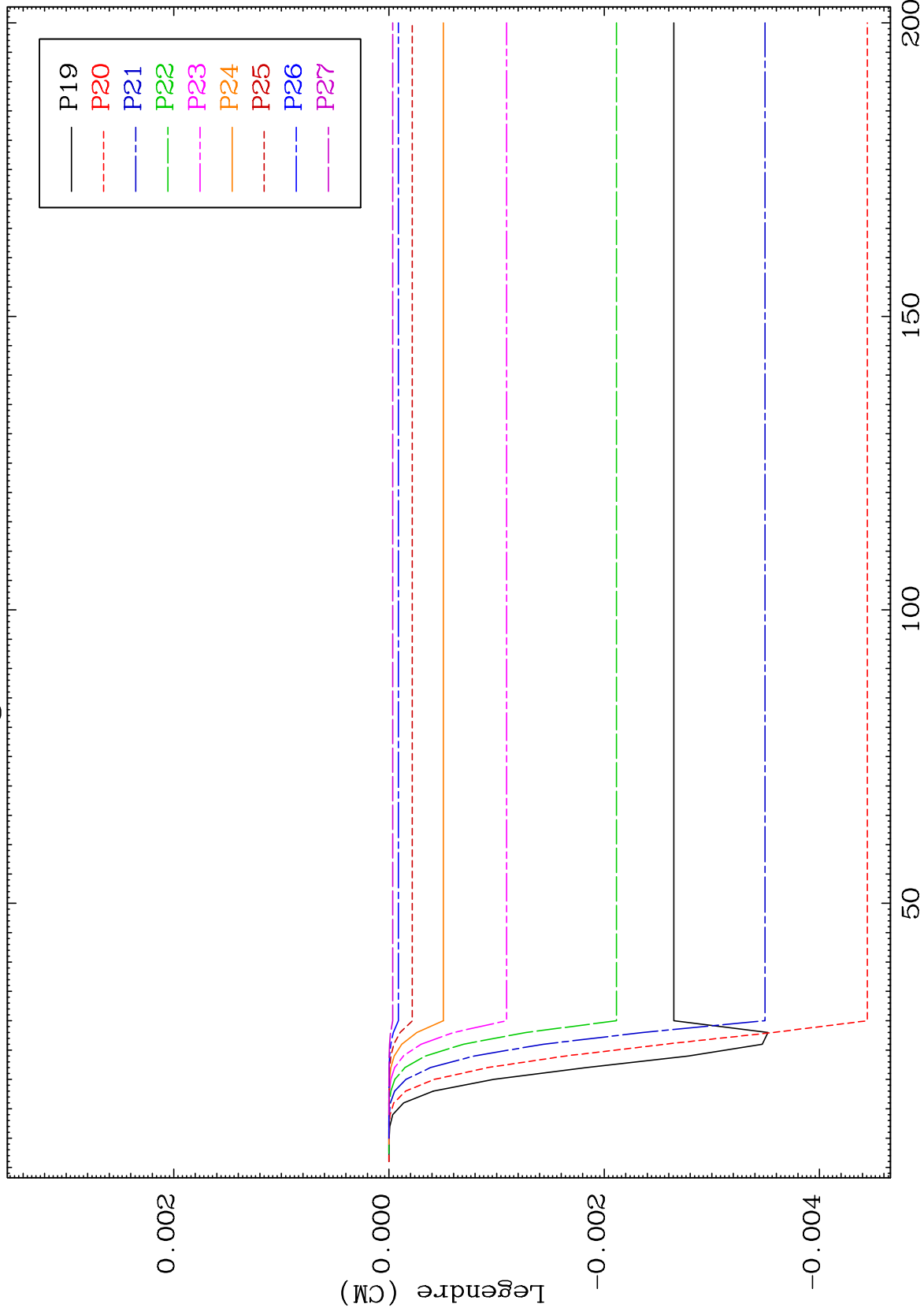
Incident Energy (MeV)

73-Ta-160

MAT 7265

MT= 58 (n,n') Level
Legendre Coefficients

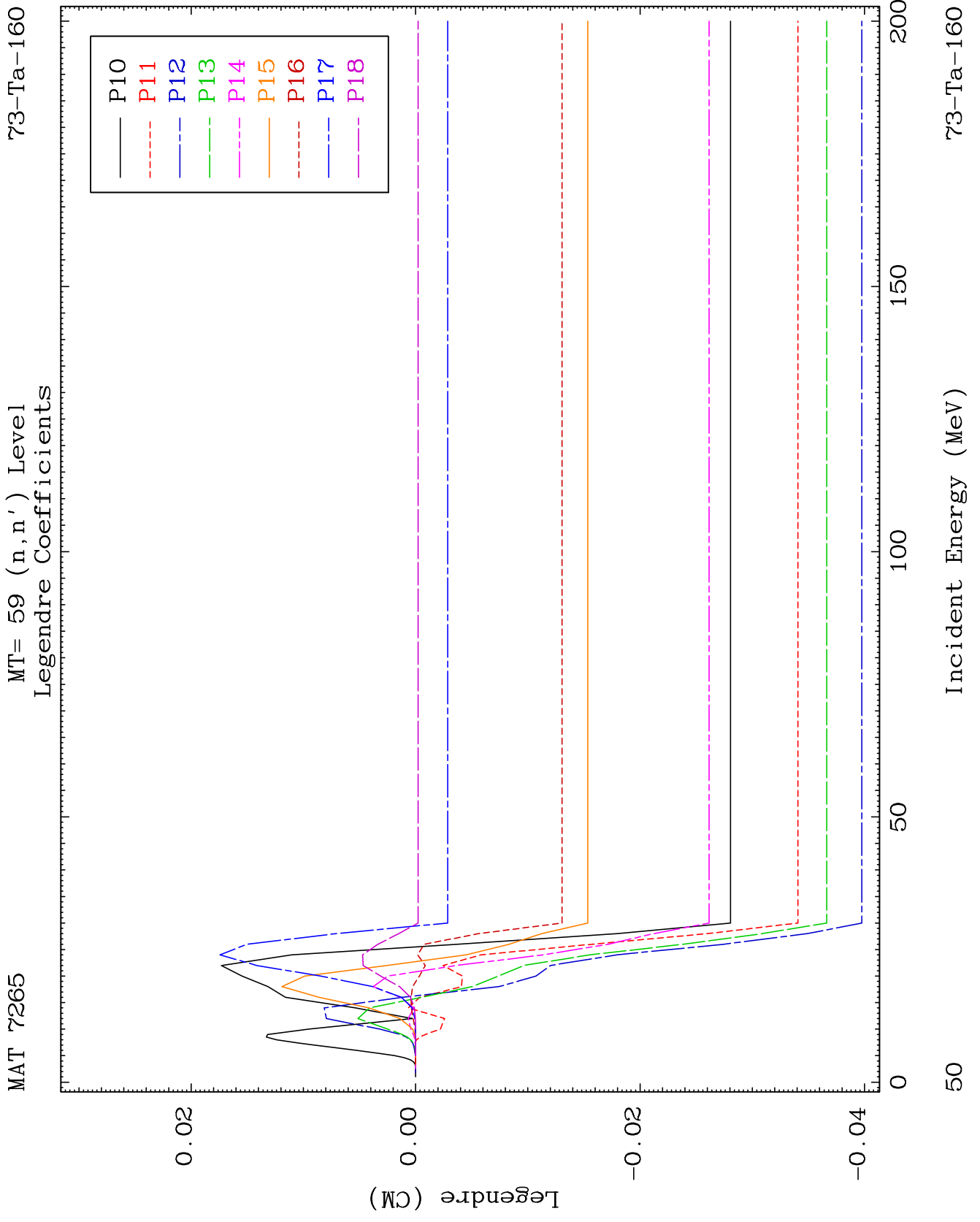
73-Ta-160



47

Incident Energy (MeV)

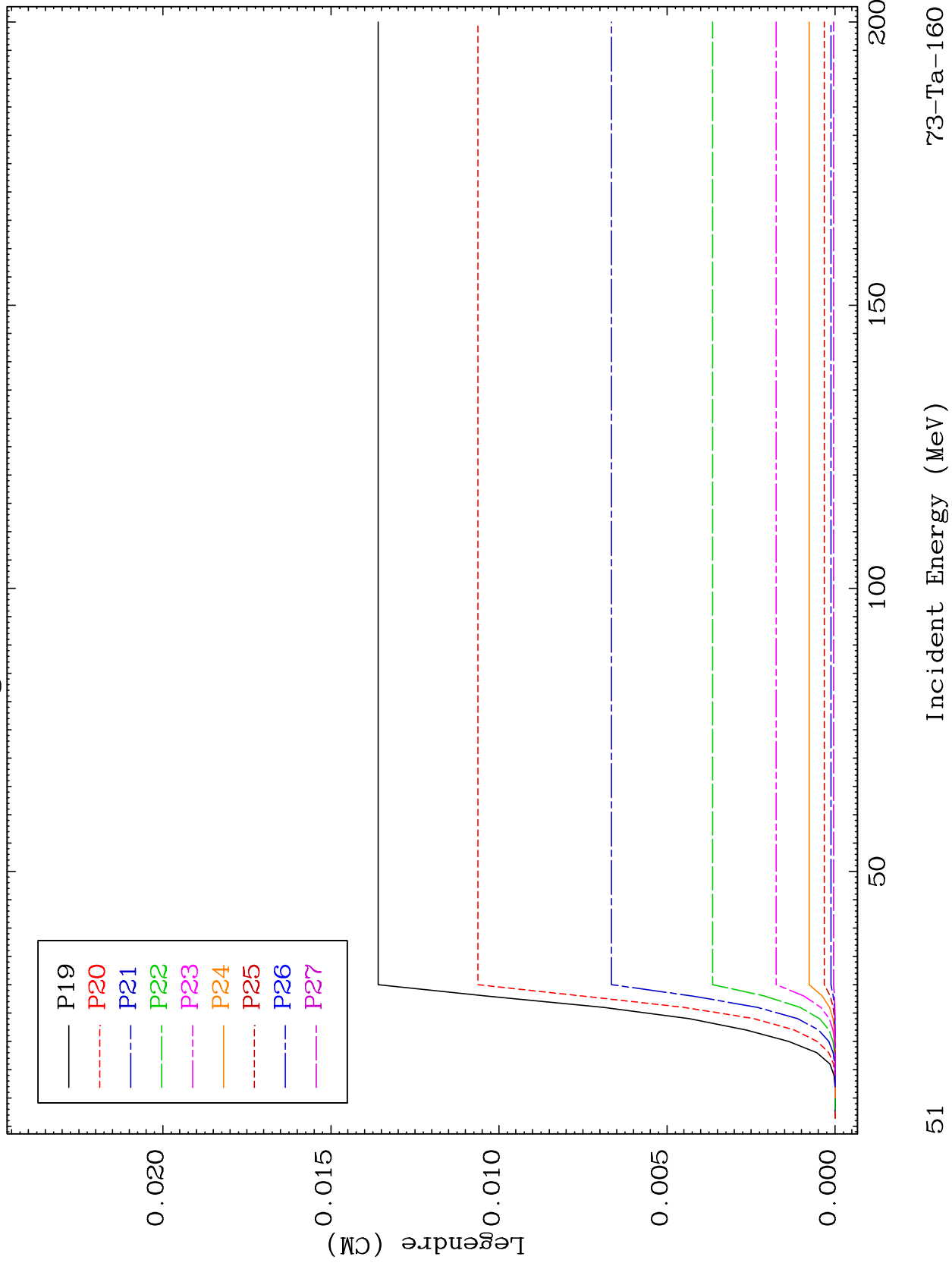
73-Ta-160

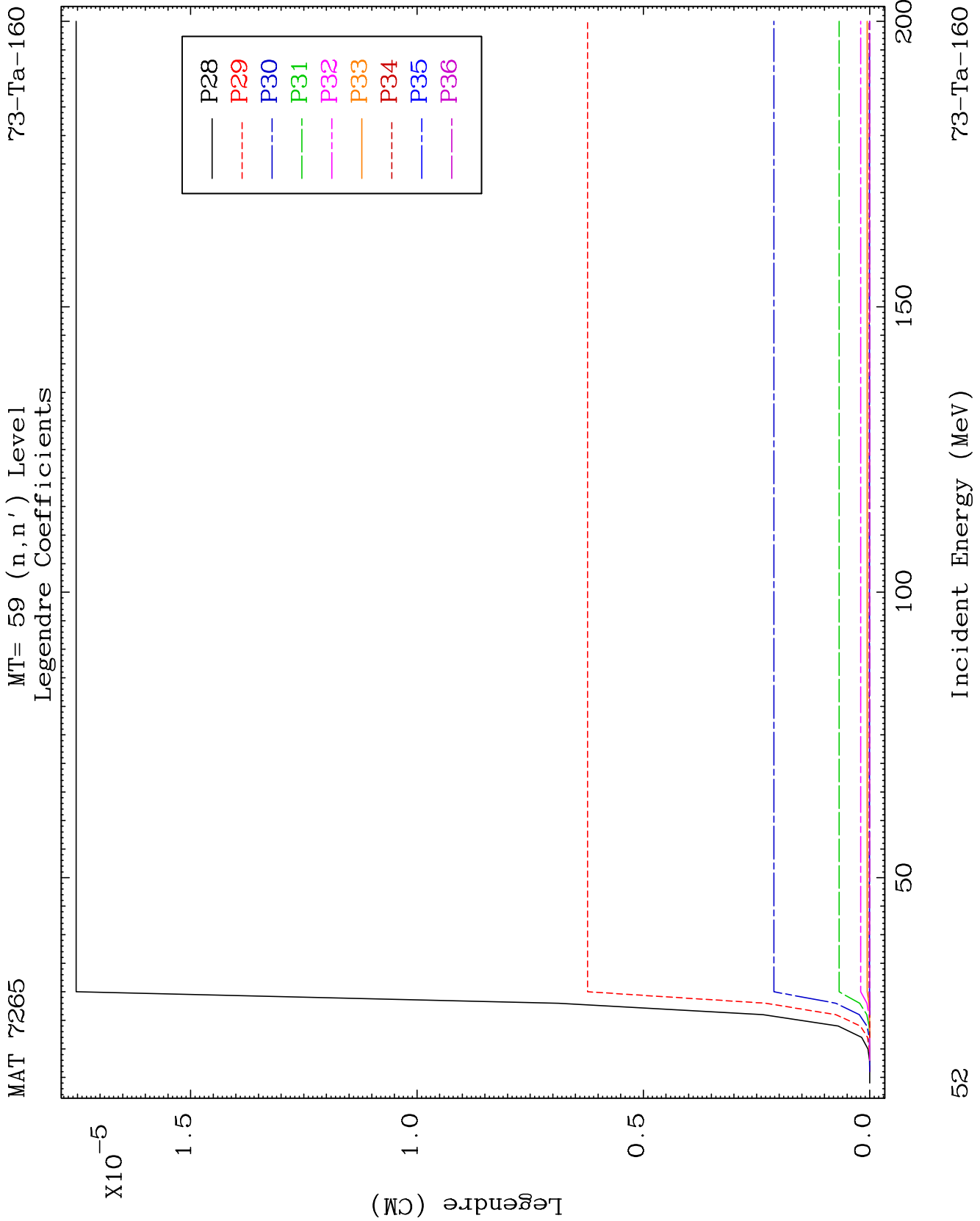


MAT 7265

MT= 59 (n,n') Level
Legendre Coefficients

73-Ta-160



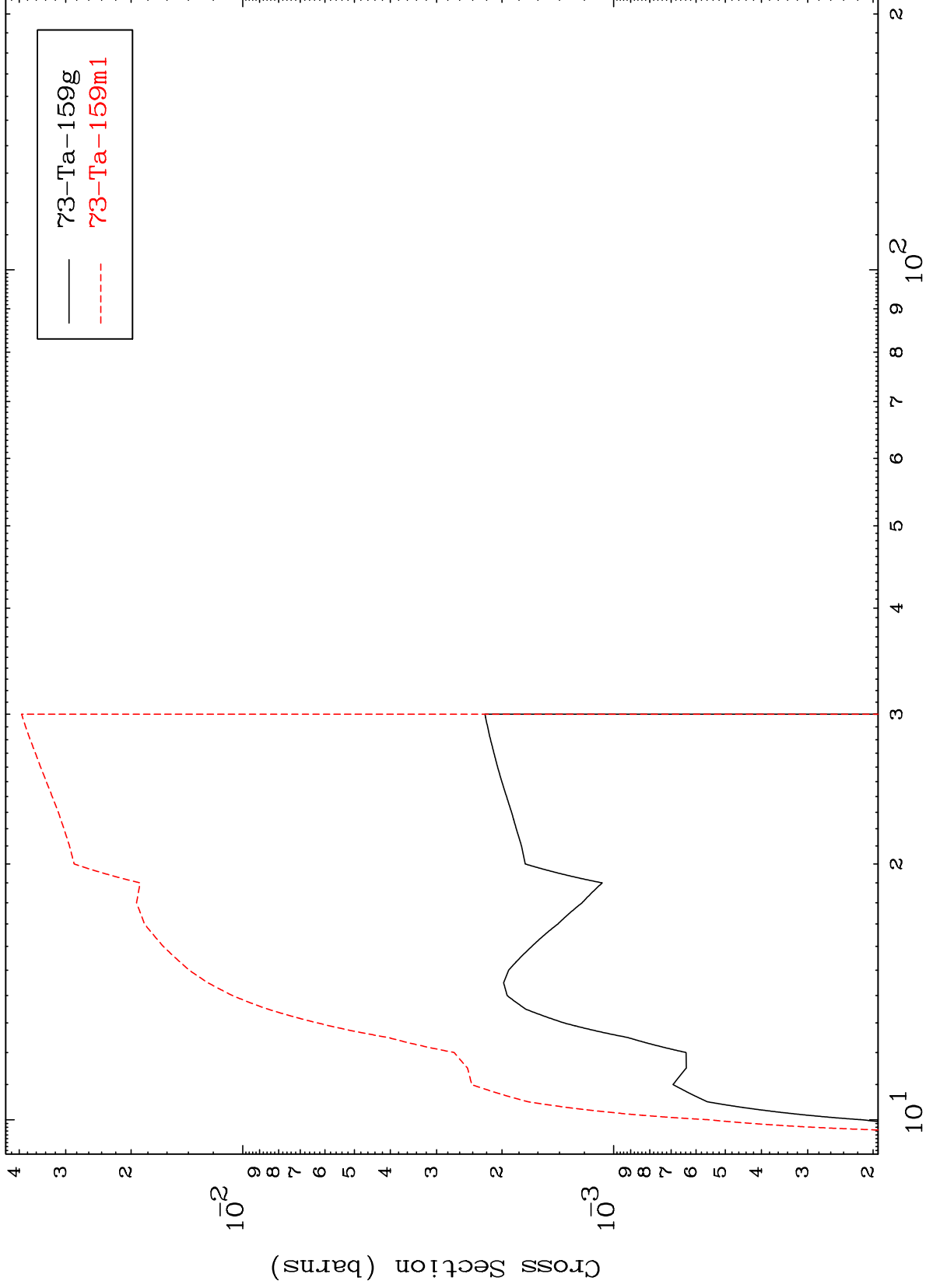


MAT 7265

(n,2n)

⁷³Ta-160

Radionuclide Production Cross Section



53

Incident Energy (MeV)

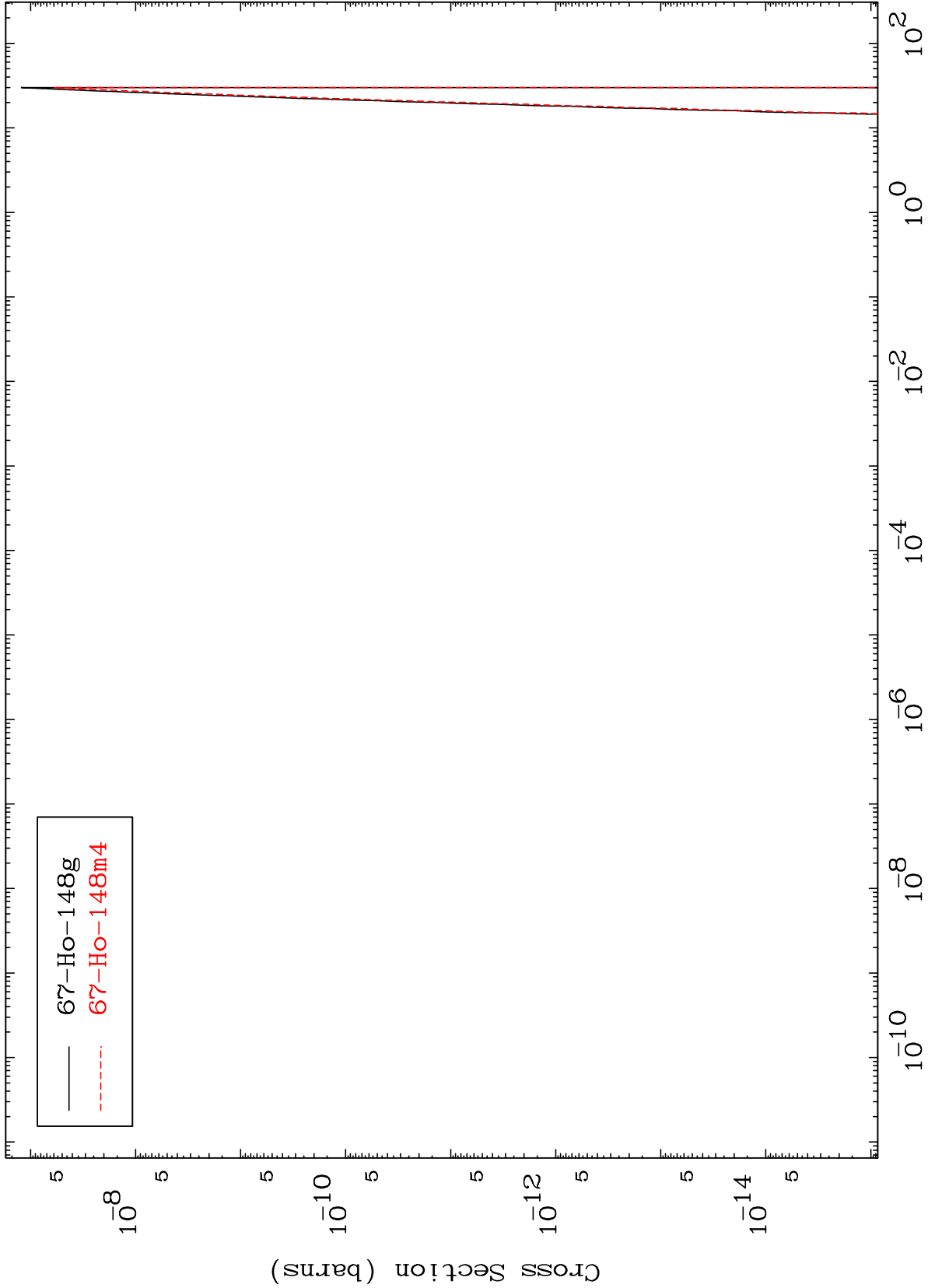
⁷³Ta-160

MAT 7265

(n,n') 3 α

⁷³Ta-160

Radionuclide Production Cross Section

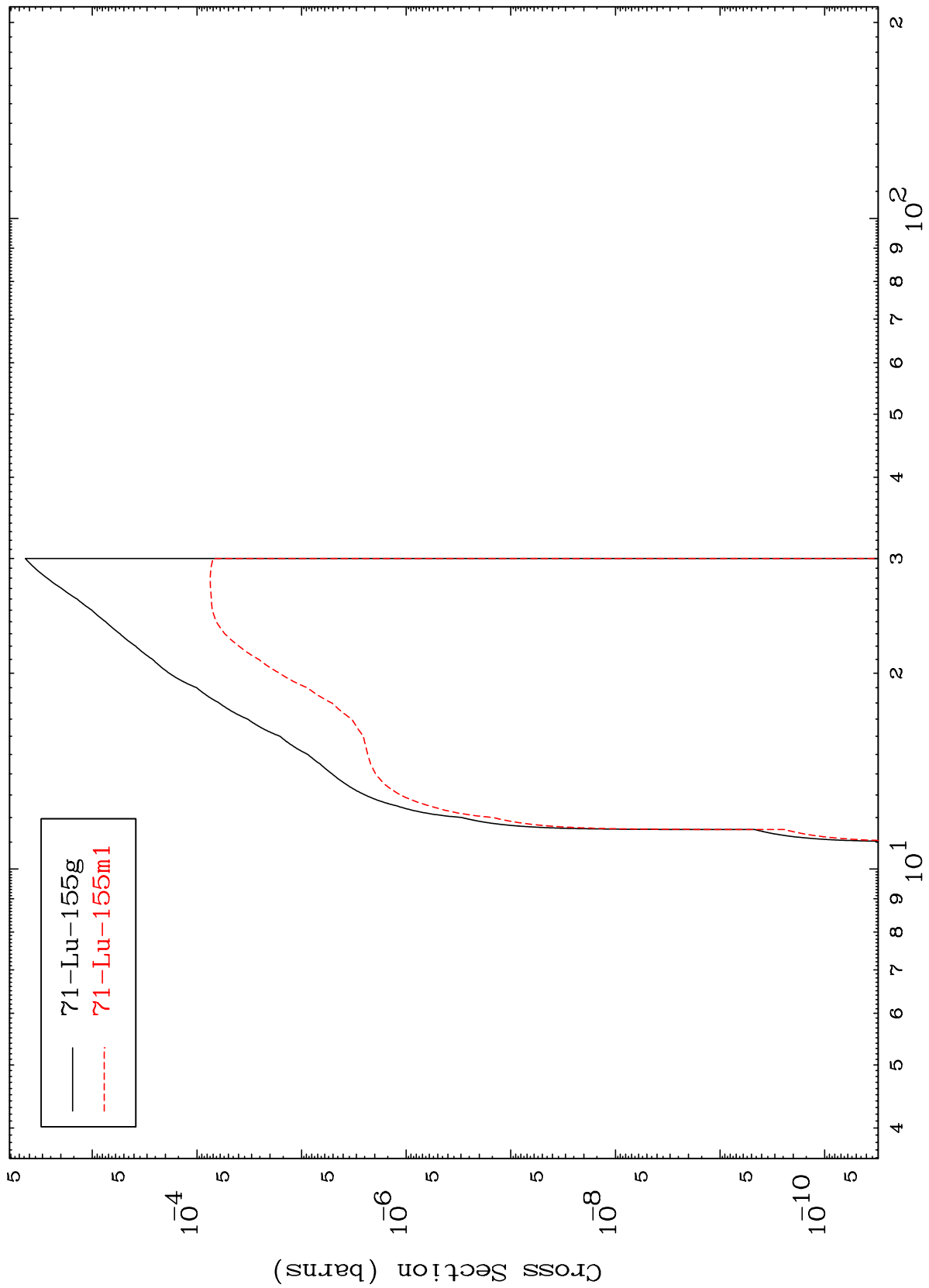


MAT 7265

$(n,2n)$ α

$^{73}\text{Ta-160}$

Radionuclide Production Cross Section



— $^{71}\text{Lu-155g}$
- - - $^{71}\text{Lu-155m1}$

55

Incident Energy (MeV)

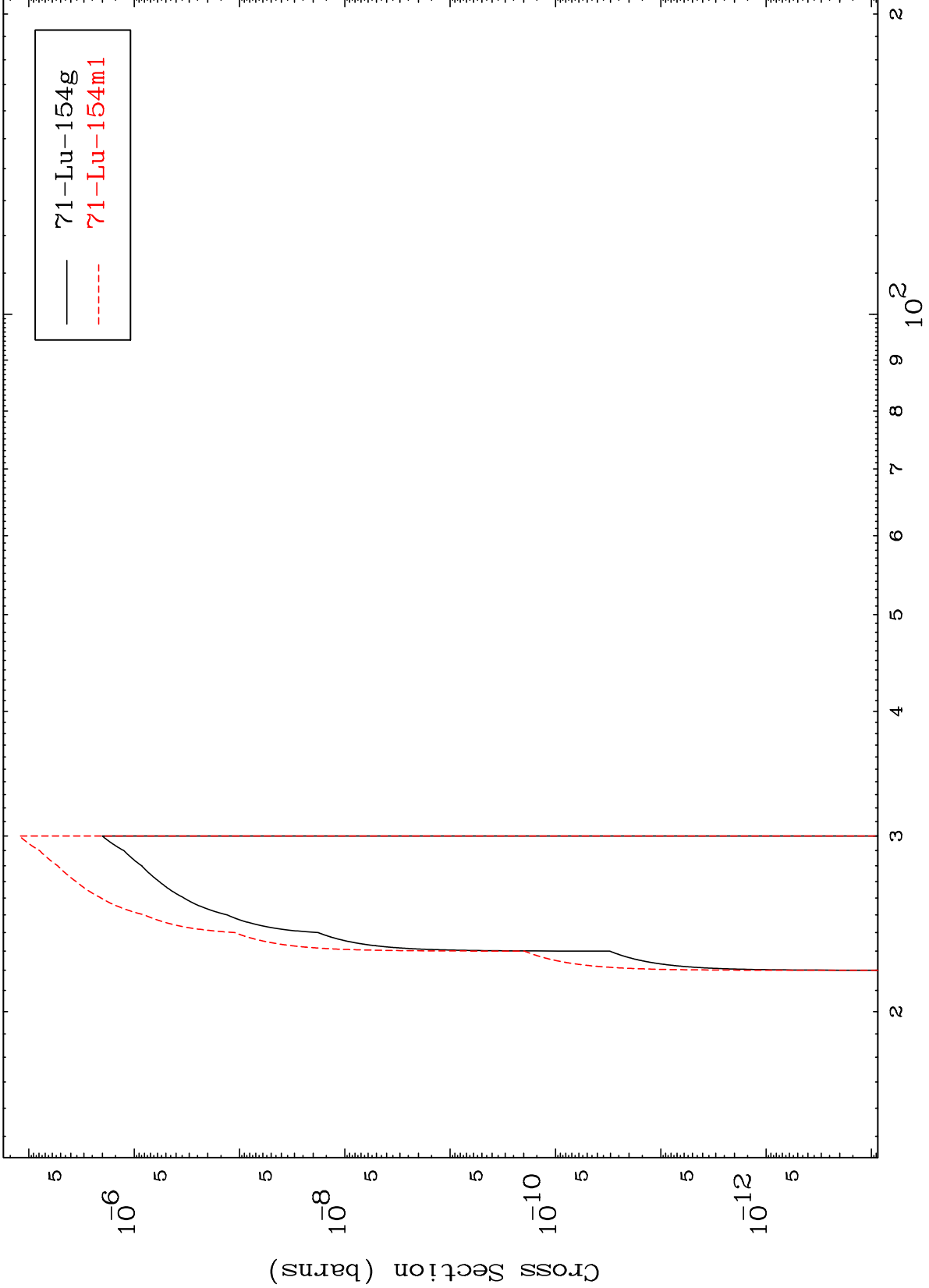
$^{73}\text{Ta-160}$

MAT 7265

(n,3n) α

73-Ta-160

Radionuclide Production Cross Section



56

Incident Energy (MeV)

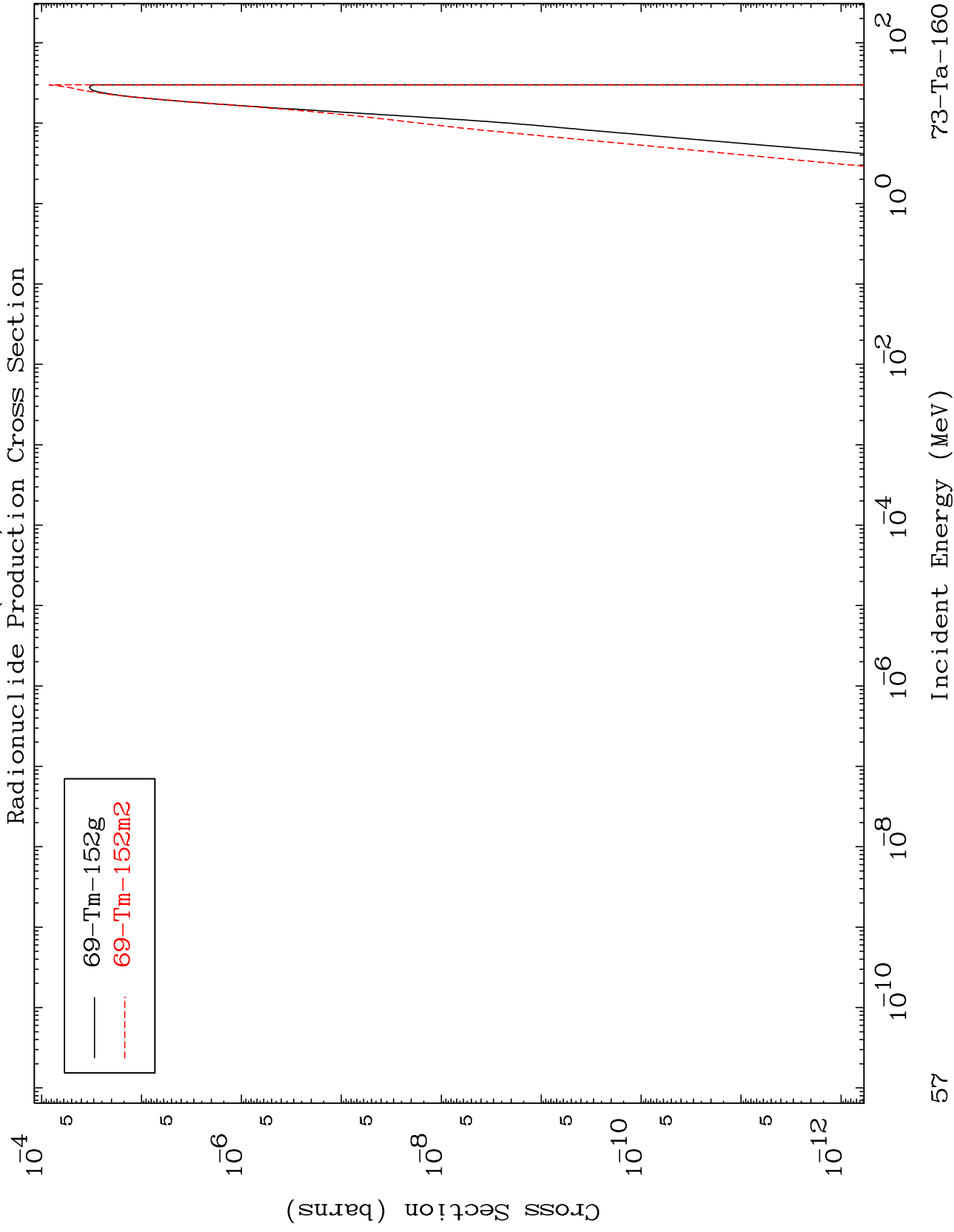
73-Ta-160

MAT 7265

(n,n') 2α

73-Ta-160

Radionuclide Production Cross Section

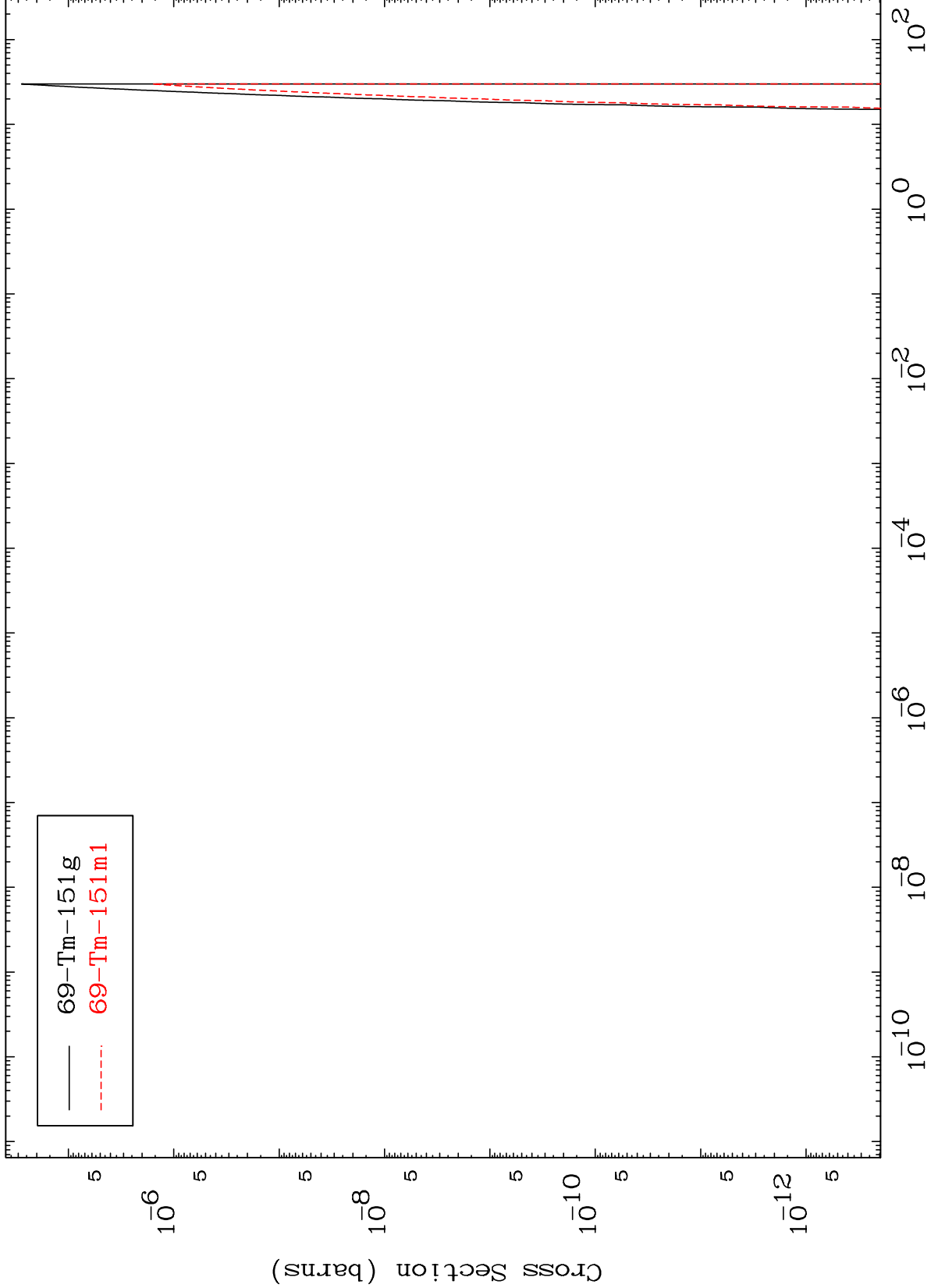
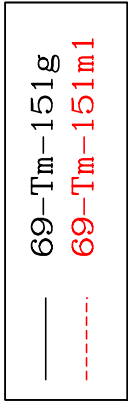


MAT 7265

(n,2n) 2α

73-Ta-160

Radionuclide Production Cross Section

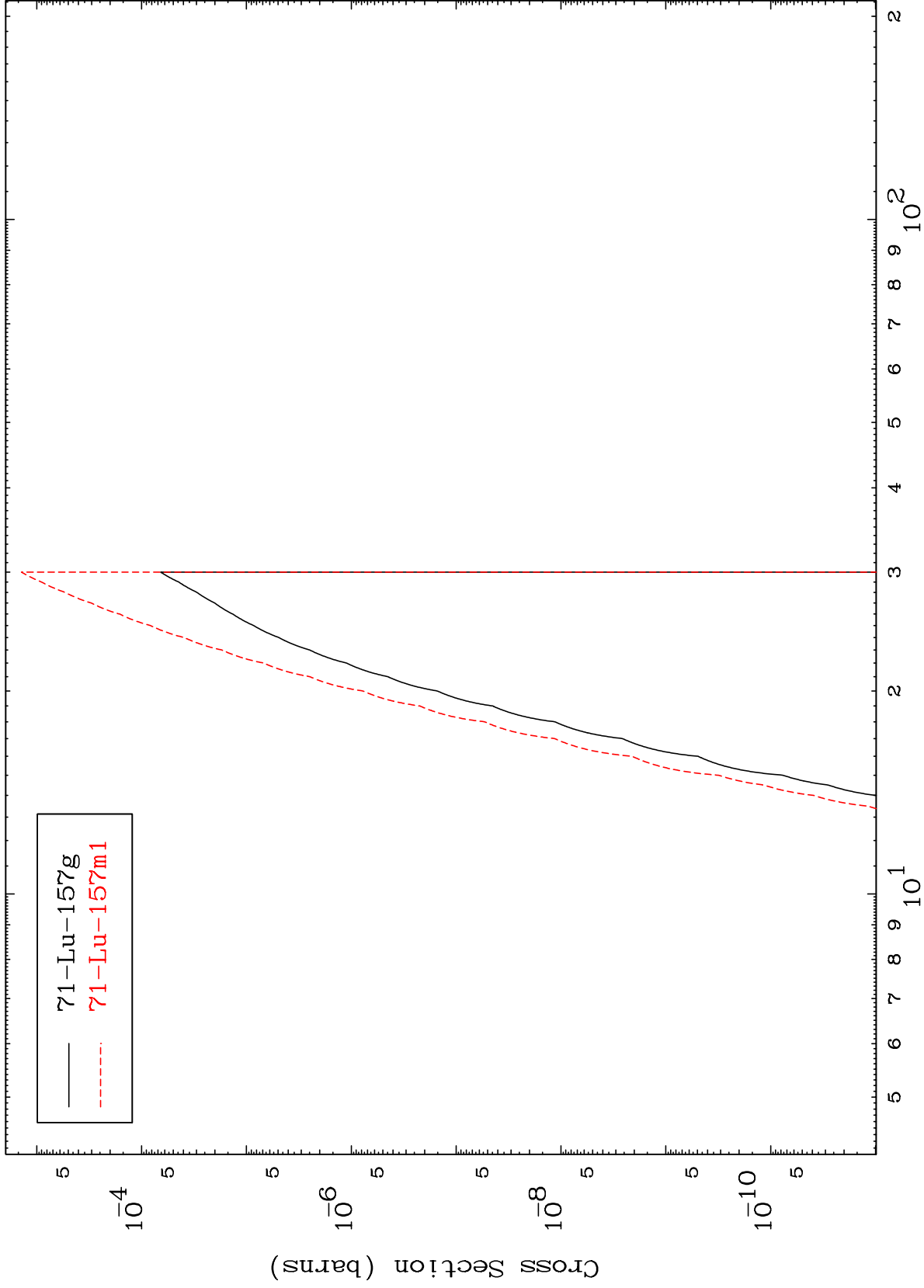


MAT 7265

(n,n') He-3

73-Ta-160

Radionuclide Production Cross Section



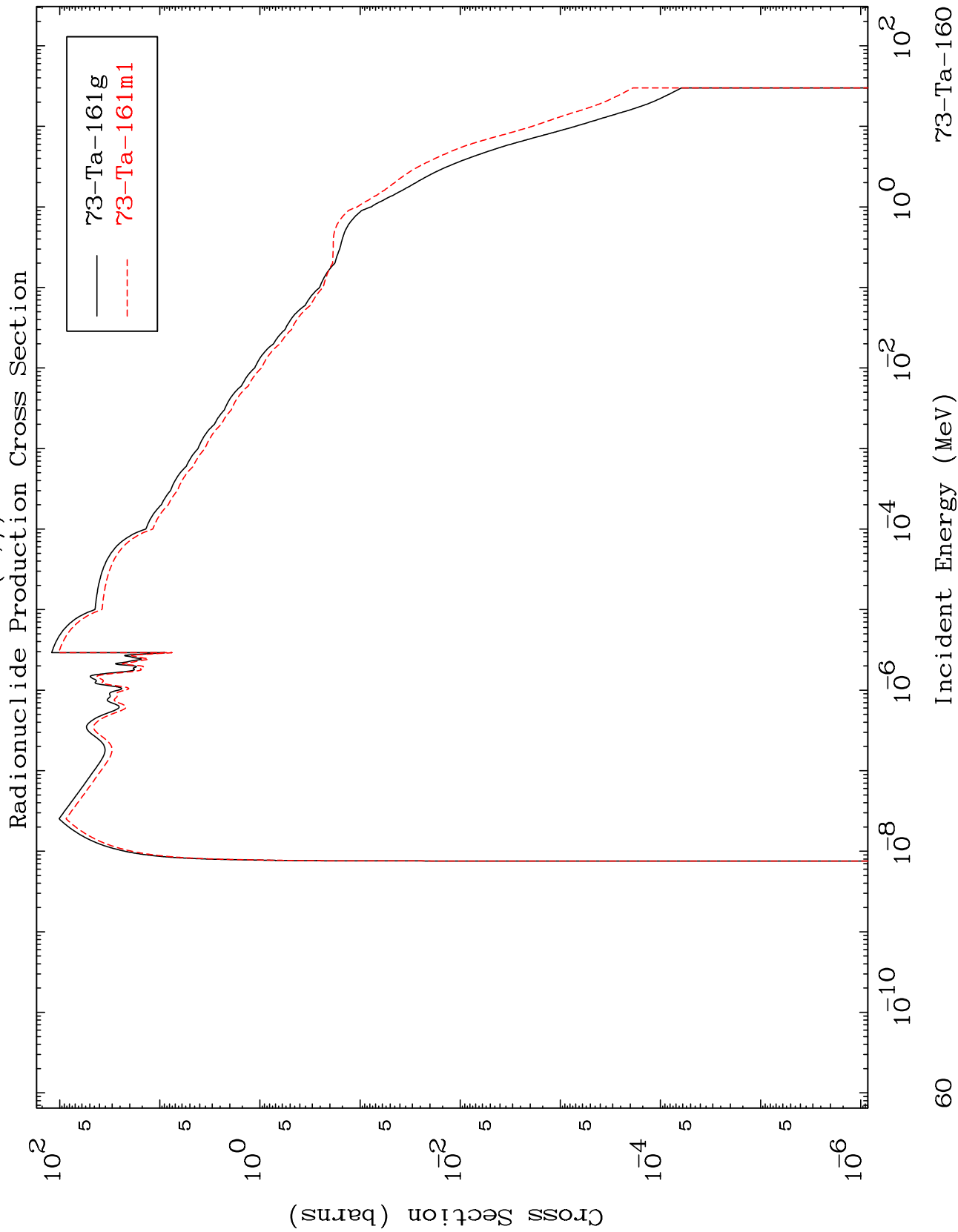
59

Incident Energy (MeV)

73-Ta-160

MAT 7265

⁷³Ta-160

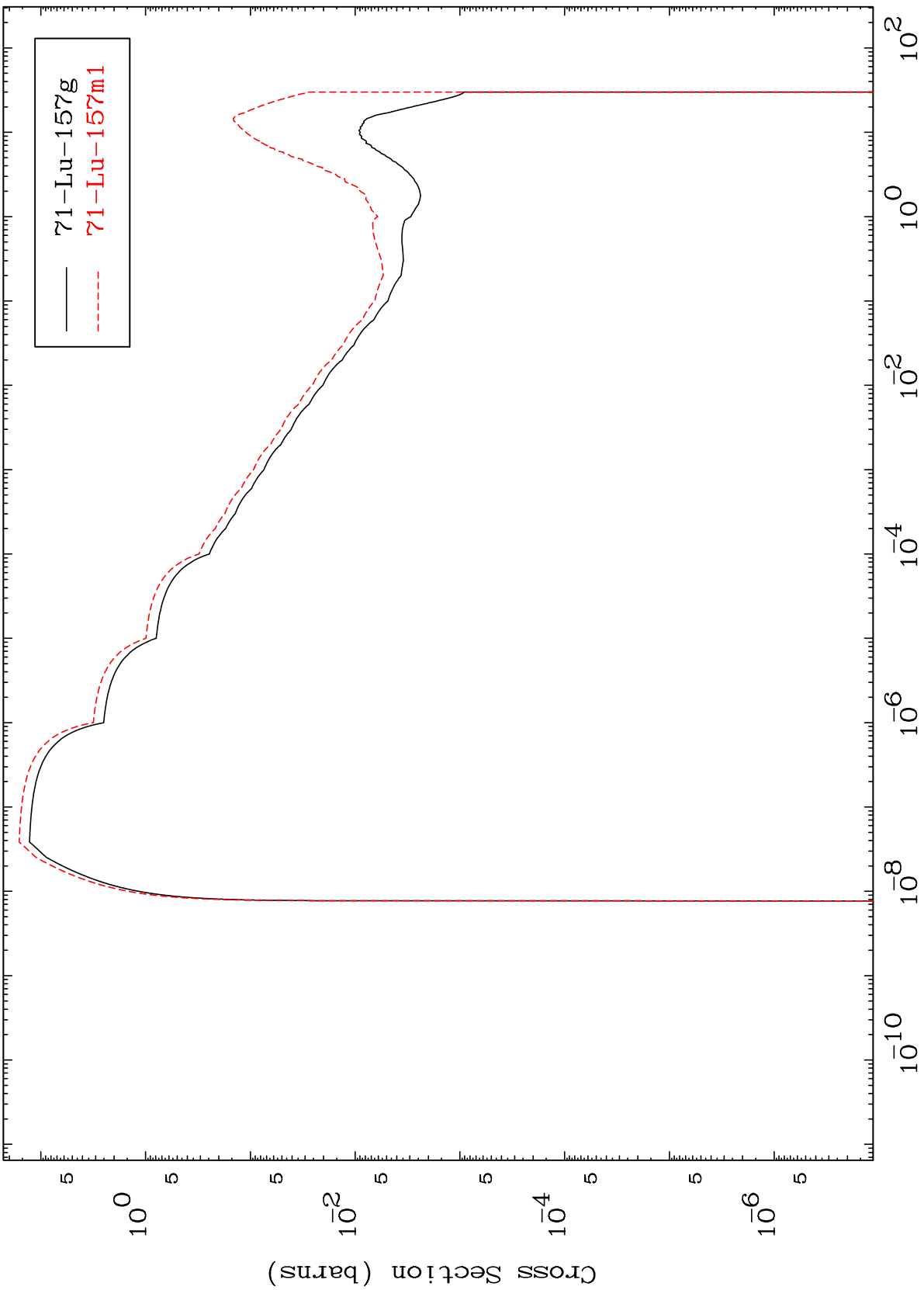


60

MAT 7265

73-Ta-160

(n, α)
Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

61

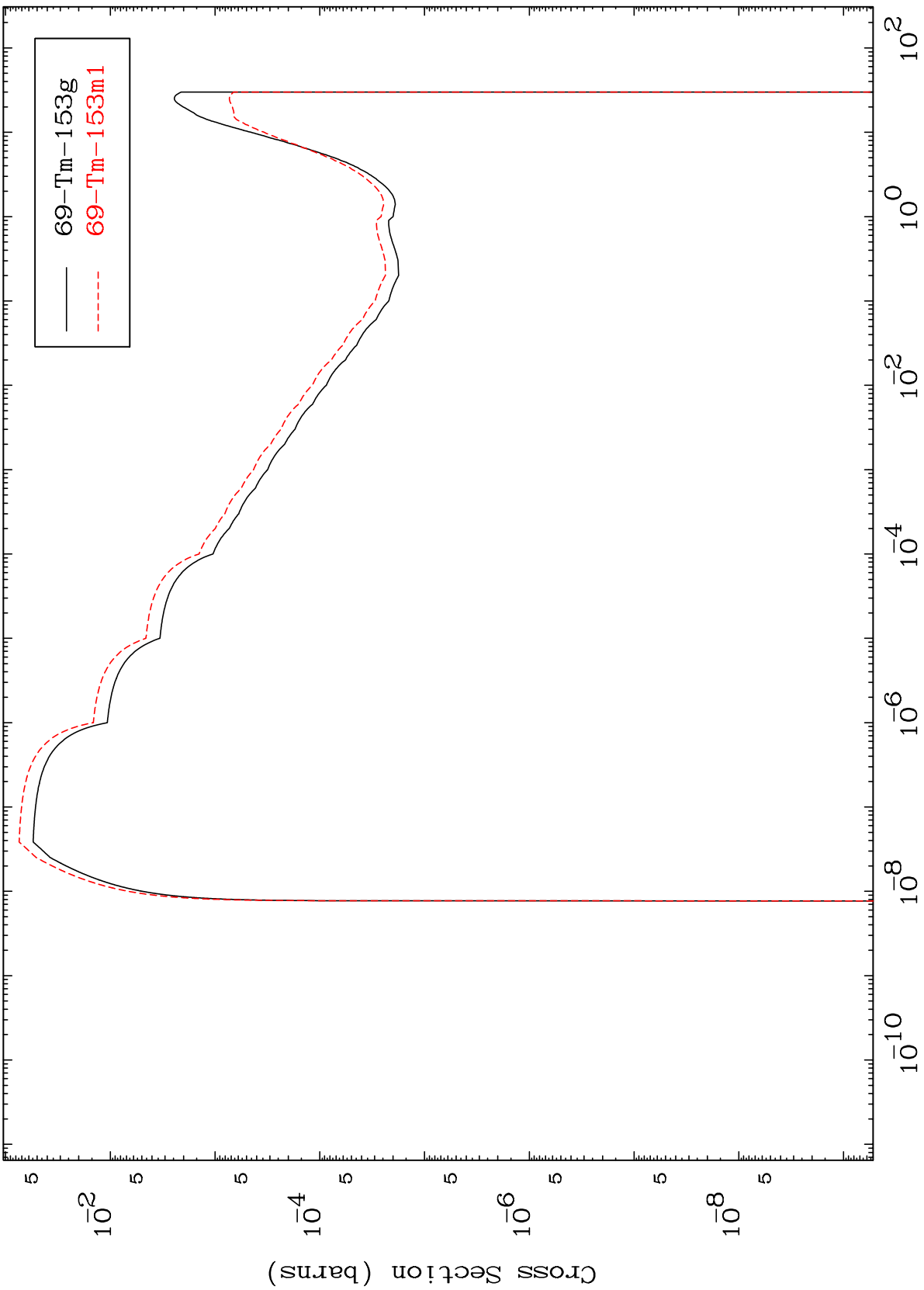
73-Ta-160

Incident Energy (MeV)

MAT 7265

73-Ta-160

(n,2α)
Radionuclide Production Cross Section



62

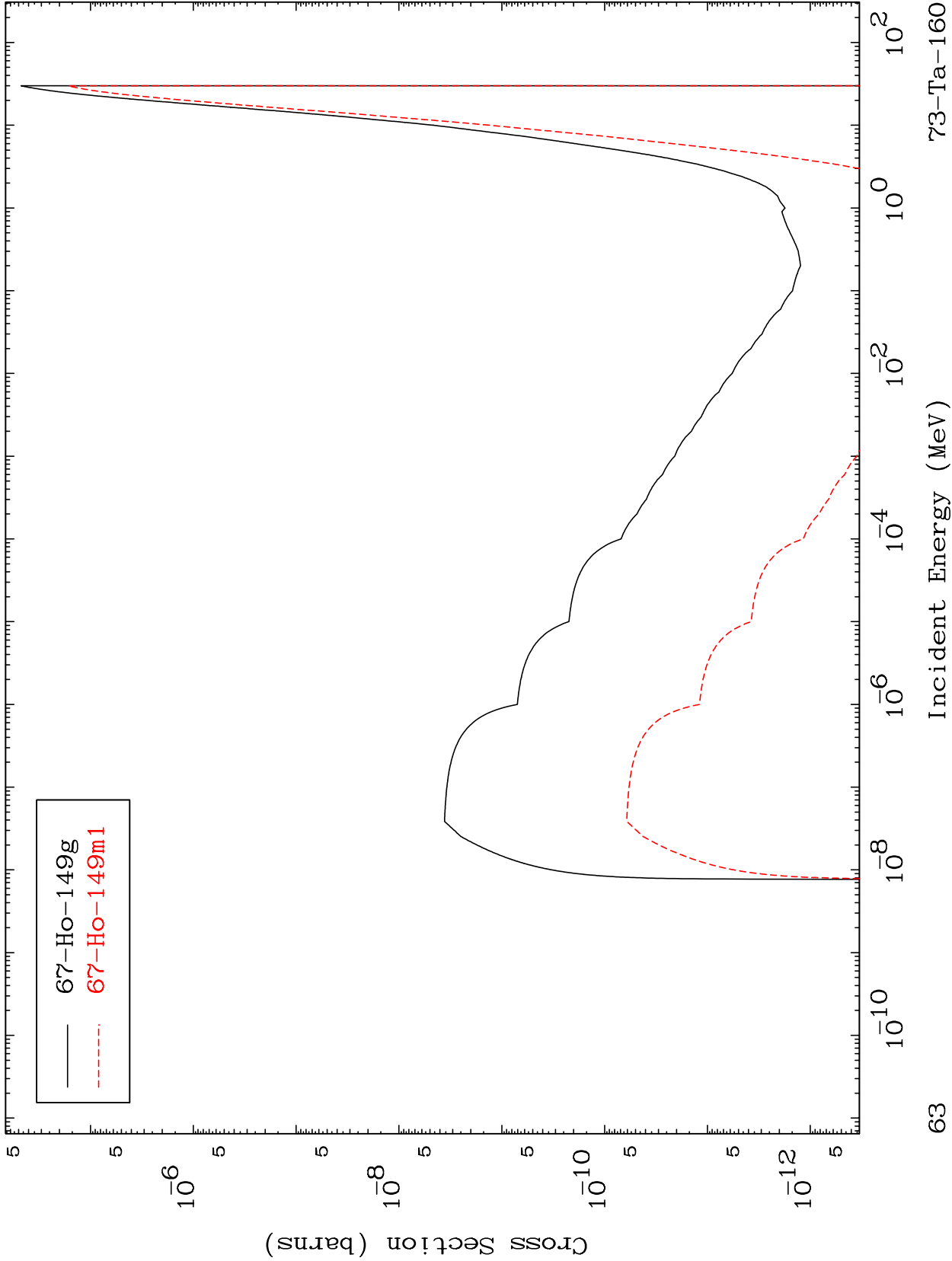
73-Ta-160

MAT 7265

(n, 3α)

⁷³Ta-160

Radionuclide Production Cross Section



63

Incident Energy (MeV)

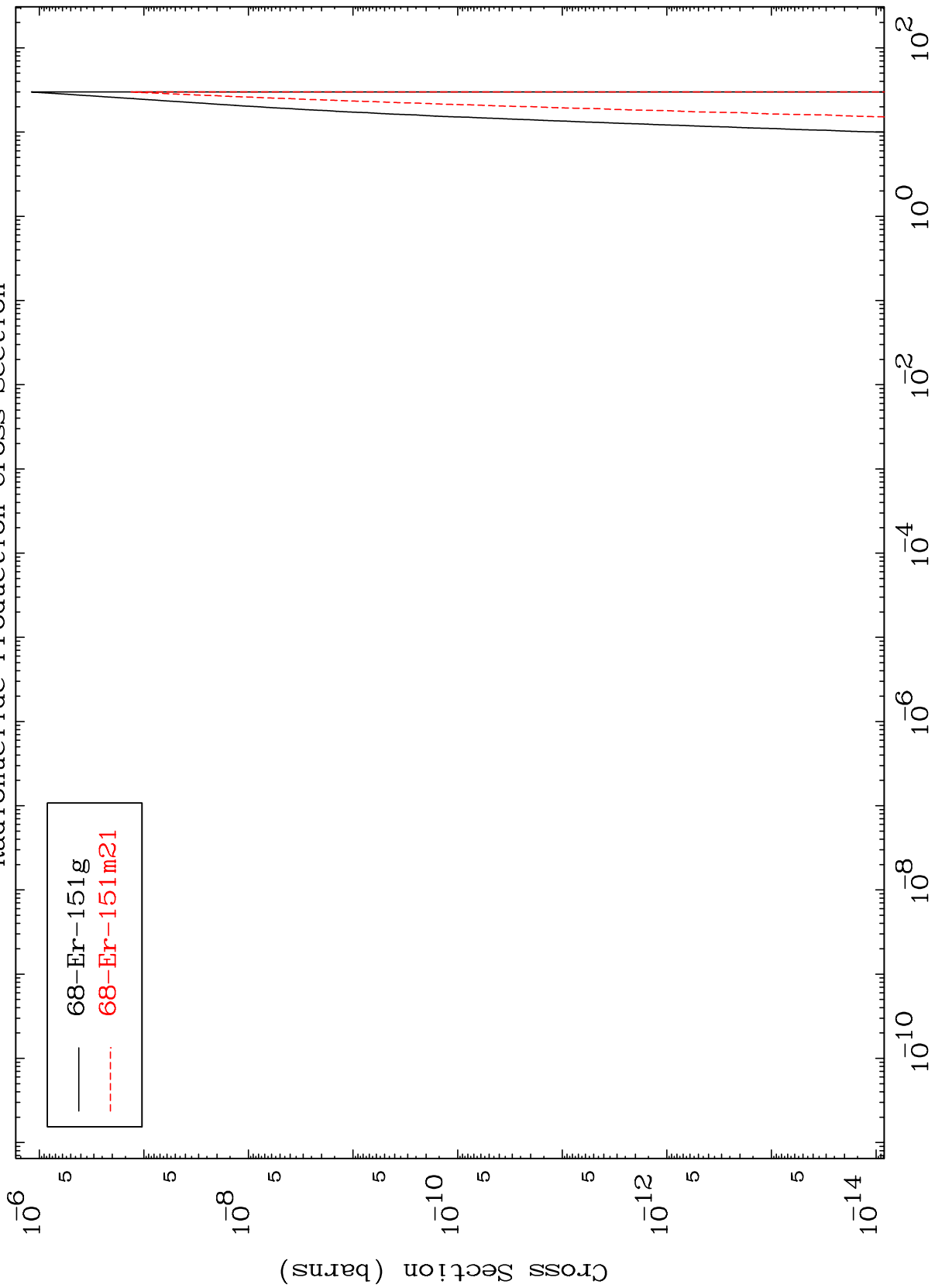
⁷³Ta-160

MAT 7265

(n,d) 2 α

73-Ta-160

Radionuclide Production Cross Section



68-Er-151g
68-Er-151m21

64

Incident Energy (MeV)

73-Ta-160

